

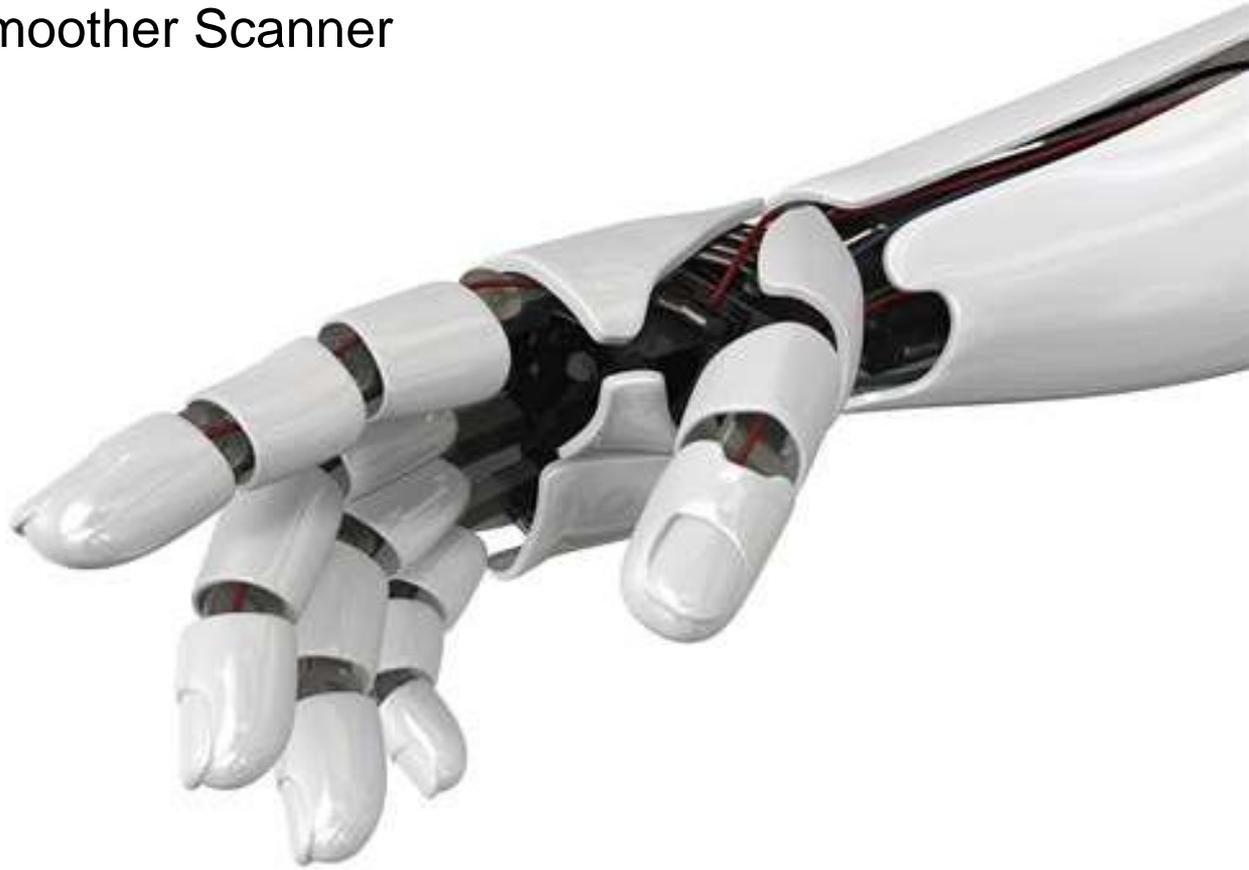
CS 3600 Intraoral Scanner

Scan Smarter



CS 3600

A Speedier, Smarter, Smoother Scanner



We could have designed the world's first automatic, clearance controlled high-speed bionic appendage.

CS 3600

A Speedier, Smarter, Smoother Scanner



Instead we packed it all into our new CS 3600 to make acquiring digital impressions easier for you.

A Speedier, Smarter, Smoother Scanner

High-Speed Continuous Scanning



Patients spend less time in the chair while you easily acquire all the essential data you need to create an impression in record time

A Speedier, Smarter, Smoother Scanner

High-Speed Continuous Scanning

- Scan in a smooth, uninterrupted pattern
- Quickly and easily acquire dual-arch scans
- Focus on your patient, rather than the screen or buttons, with “grab-and-go” scanning
- Eliminate the impact of unsteady hands or fidgety patients between successive views
- When interrupted, easily pick up where you left off
- With no mobile parts, there is no need for regular weekly calibration

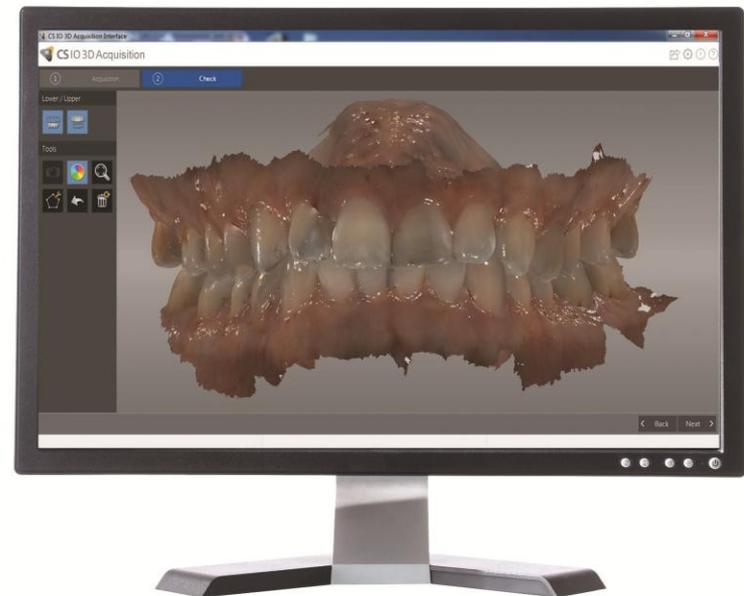


A Speedier, Smarter, Smoother Scanner

Anytime, Anywhere Matching

Intelligent Matching System

- Jump to any position in the patient's mouth to fill in missing scanning information with the **Intelligent Matching System**
- No need to indicate an exact location or follow a specific direction
- Simply move and scan



A Speedier, Smarter, Smoother Scanner

Do What Comes Naturally

- The versatile scanner mount doubles as a either a desktop or a wall mount
- When not in use, the CS 3600 should be placed in the holder where it will power down to sleep mode for energy efficiency



Desktop holder



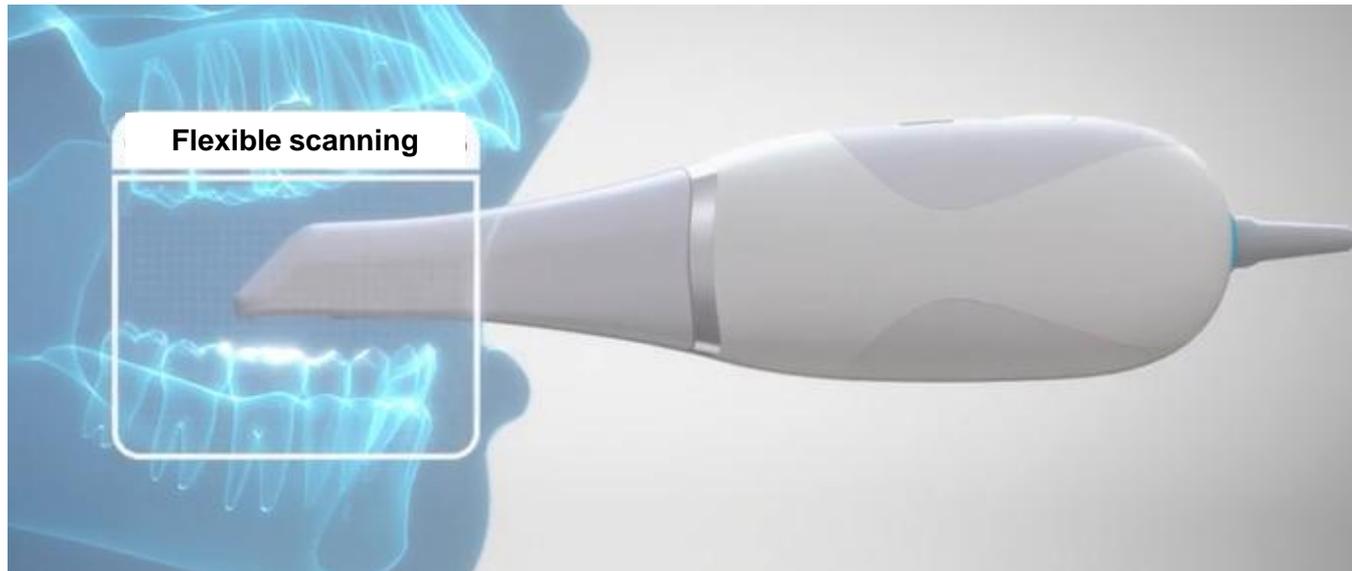
Wall mount holder

Note: The CS 3600 goes into inactive mode when inserted into the holder. To use it again, take it out of the holder.

A Speedier, Smarter, Smoother Scanner

Do What Comes Naturally

- Offers a broad scanning range
- Hover over the teeth or rest the scanner on a tooth – scan how you prefer
- Acquire optimal scans without having to keep the scanner at a fixed distance
- Ergonomic design allows you to hold the scanner how you want
- A flexible cable allows you the freedom you need to scan at all angles



A Speedier, Smarter, Smoother Scanner

Do What Comes Naturally

- Prevent cross contamination by changing modes directly on the scanner
- Conveniently mode dial on top of the scanner allows you to switch between upper arch, lower arch, and bite registration acquisitions
- Bite registration is virtually automatic



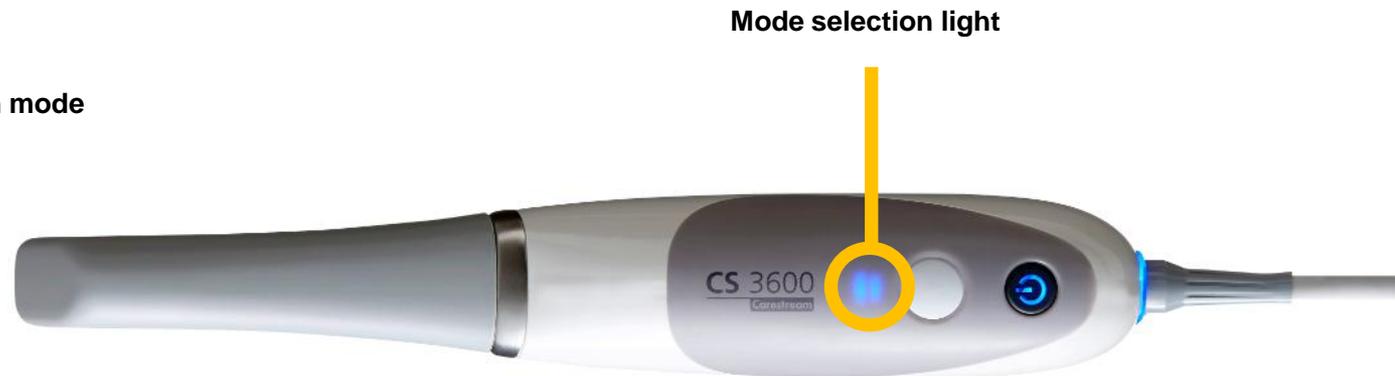
Lower jaw scan mode



Upper jaw scan mode



Buccal bite registration mode



Features to Make Your Patients (and You) Smile

Different Situations Require Different Tips

- Two rounded, interchangeable tips in different orientations
- Both tips are autoclavable and can be used up to 20 times for optimal infection control
- Onboard heater for fog-free scanning – no need to wait for the tip to heat



Autoclavable tips



Side and front facing tips

Features to Make Your Patients (and You) Smile

Different Situations Require Different Tips

- Innovative side tip offers the shortest tip height among scanners with autoclavable tips
- Smaller side tip helps capture scans in hard to reach areas



**Shortest tip height among
scanners with autoclavable tips**

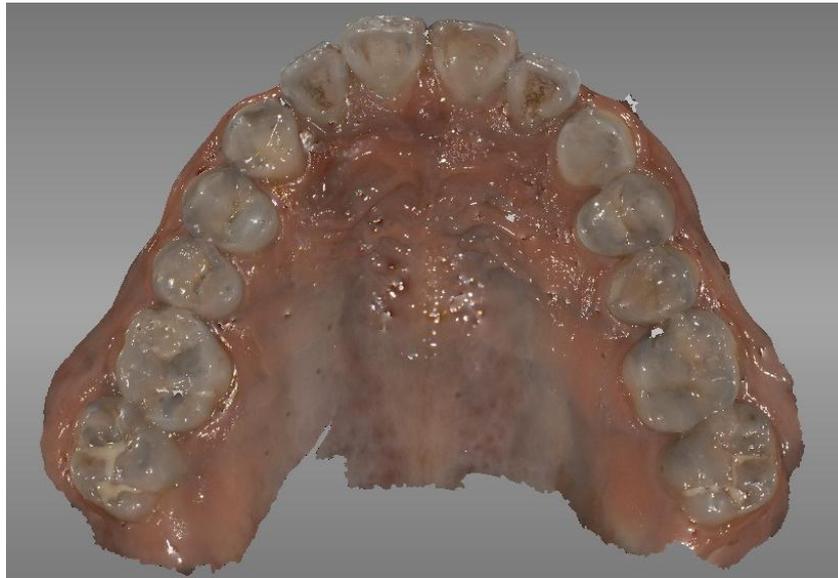


Innovative side oriented tip

Features to Make Your Patients (and You) Smile

Different Situations Require Different Tips

- The shorter side-oriented tip is also helpful for acquiring palatal scans on patients with narrow or deep palates
- Proper palatal scans are essential for the fabrication of orthodontic appliances

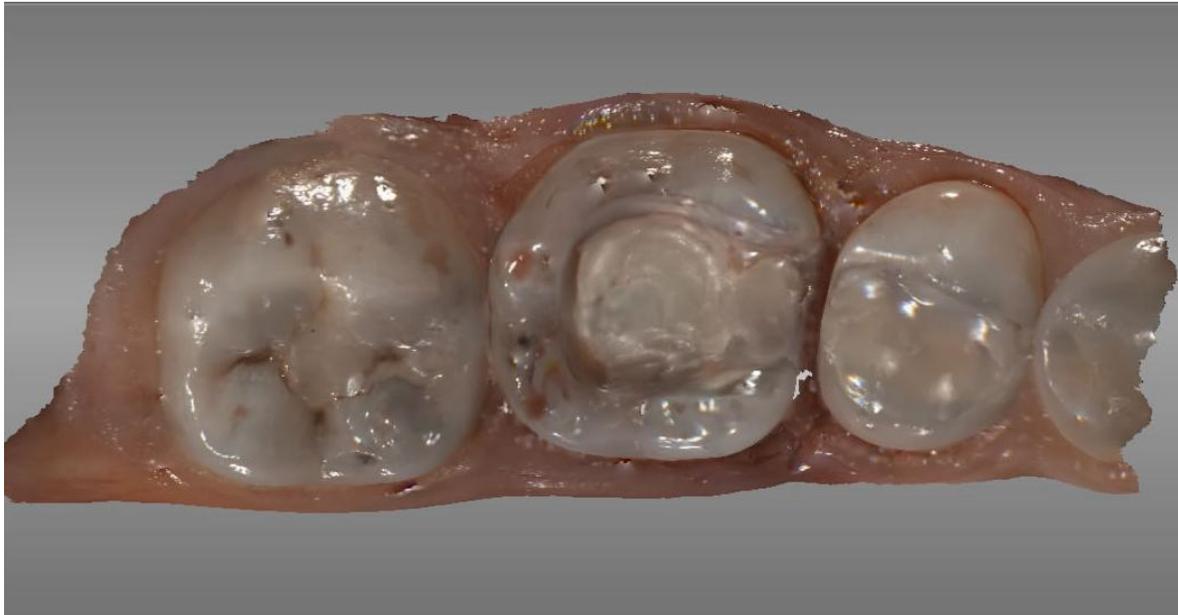


Upper arch scan with full palate

Features to Make Your Patients (and You) Smile

Show and Tell in Full HD 3D

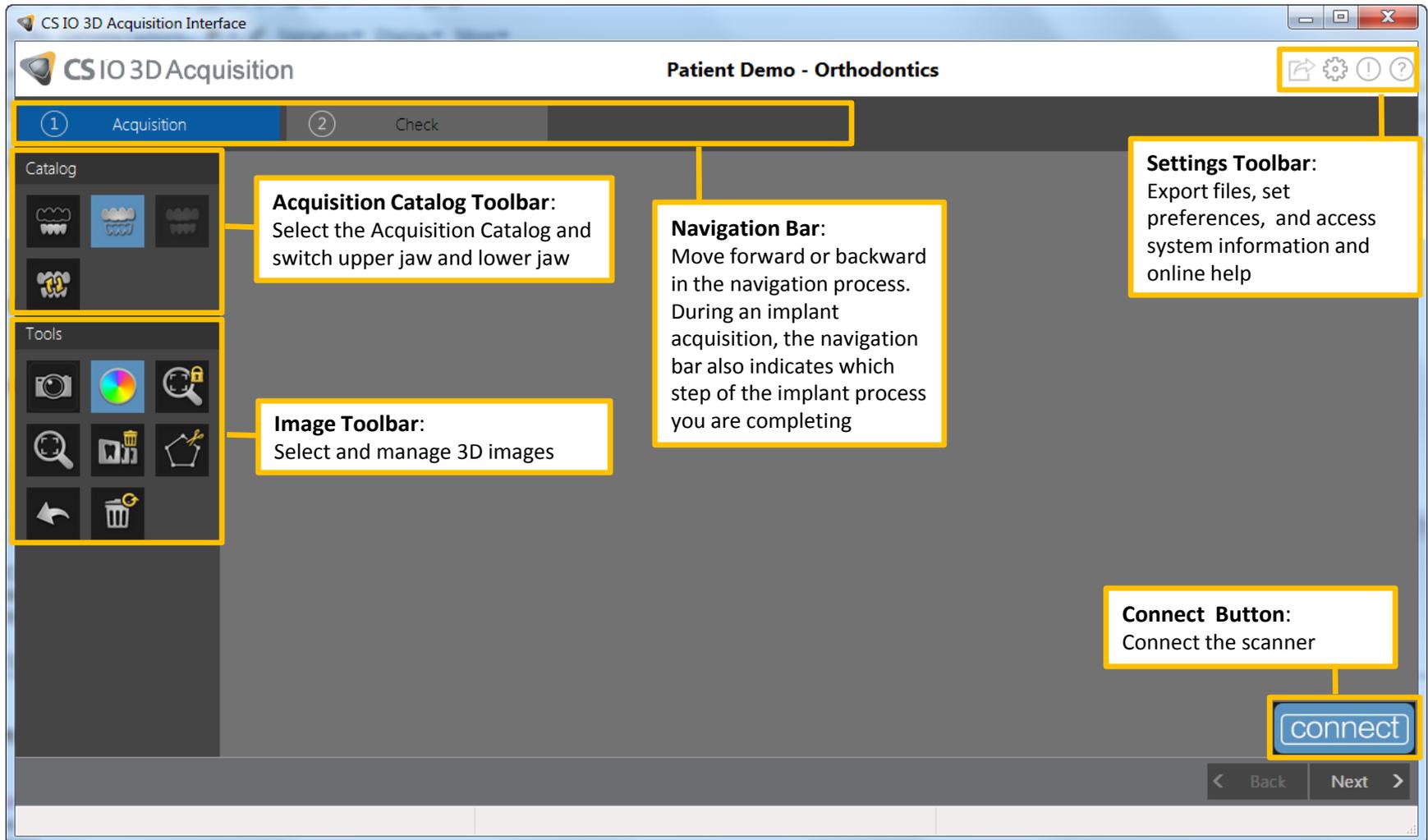
- Highly precise, accurate full HD 3D images offer enhanced image quality
- More vivid color and texture
- 3D HD color better reflects the true invivo situation



HD 3D restoration inlay

Features to Make Your Patients (and You) Smile

Intuitive Software Takes Away the Guesswork



One Scanner - Three Workflows

The CS 3600 Features Three Dedicated Workflows

Orthodontics →

Restorative →

Implant-borne Restorative →

Select Acquisition Type

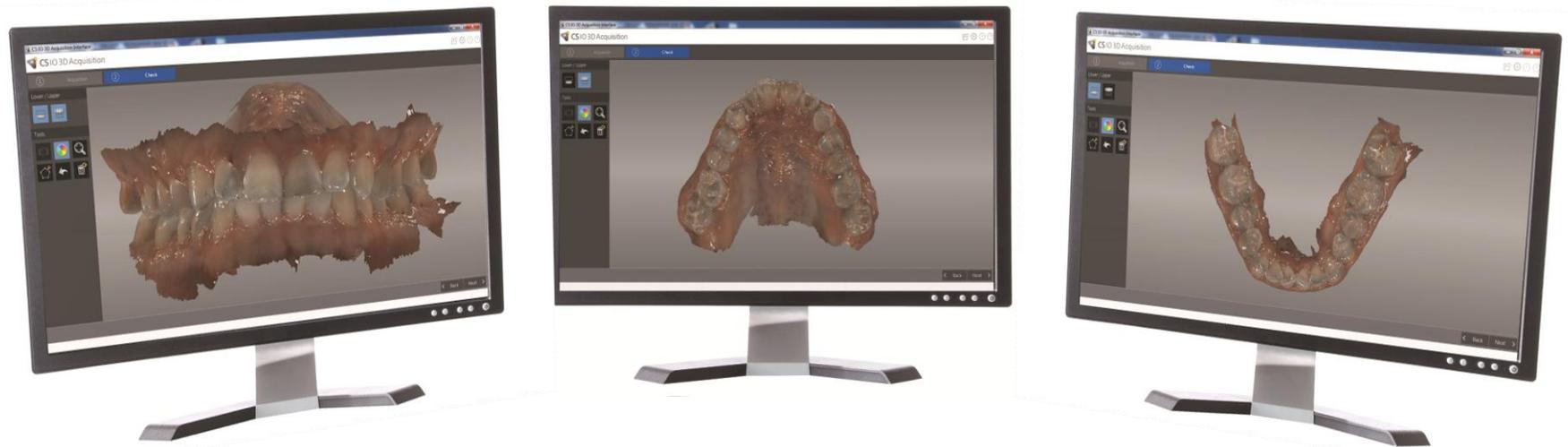
-  **Orthodontics**
-  **Restoration**
-  **Implant**
-  **Import**

OK Exit

One Scanner - Three Workflows

Reinvent Your Orthodontics

- Optimized for dual arch scanning
- Simplifies bite registration with little to no manipulation
- Quickly and easily create digital models for study or use in fabrication of appliances
- Save time, money and space with CS Model Software



One Scanner - Three Workflows

Reinvent Your Orthodontics

CS MODEL

- Optional module
- Eliminates need to create/store physical models
 - Saves valuable space in your practice
 - Saves time on retrieving/restoring physical models
- Reduces cost of lab time, equipment and supplies associated with traditional models
- Digital models can be produced in minutes



Save space, time and money with CS Model

One Scanner - Three Workflows

Reinvent Your Orthodontics

CS Model

- Model's base and trims created automatically
- Digital models can be viewed from every angle
 - Aids in diagnosis
 - Enhanced patient consultation
 - Helps improve case acceptance
- Easy integration with CS or leading orthodontic imaging, standard imaging and practice management systems

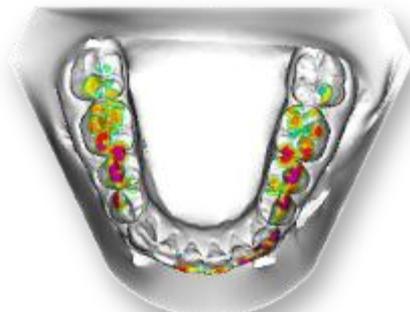
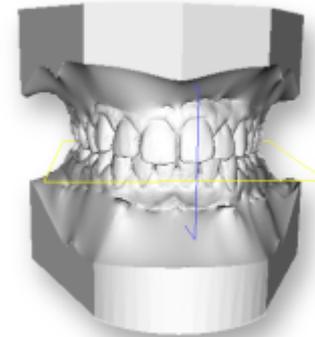
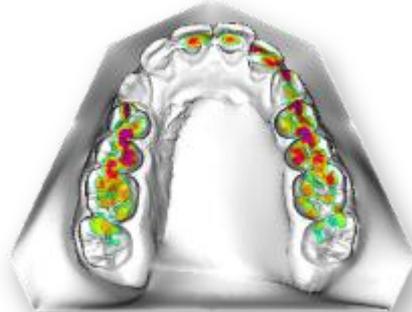
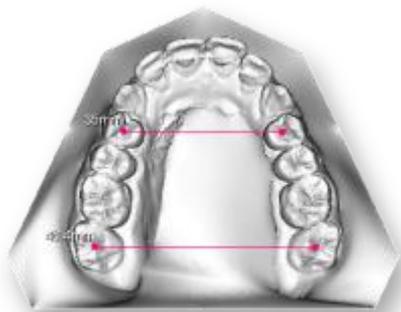


One Scanner - Three Workflows

Reinvent Your Orthodontics

CS Model

- Take measurements of the patient's anatomies to determine arch length, overbite, tooth size, and other basic distances
- Display the pressure map to visualize the occlusion distances on the model



Measurements

Occlusion map

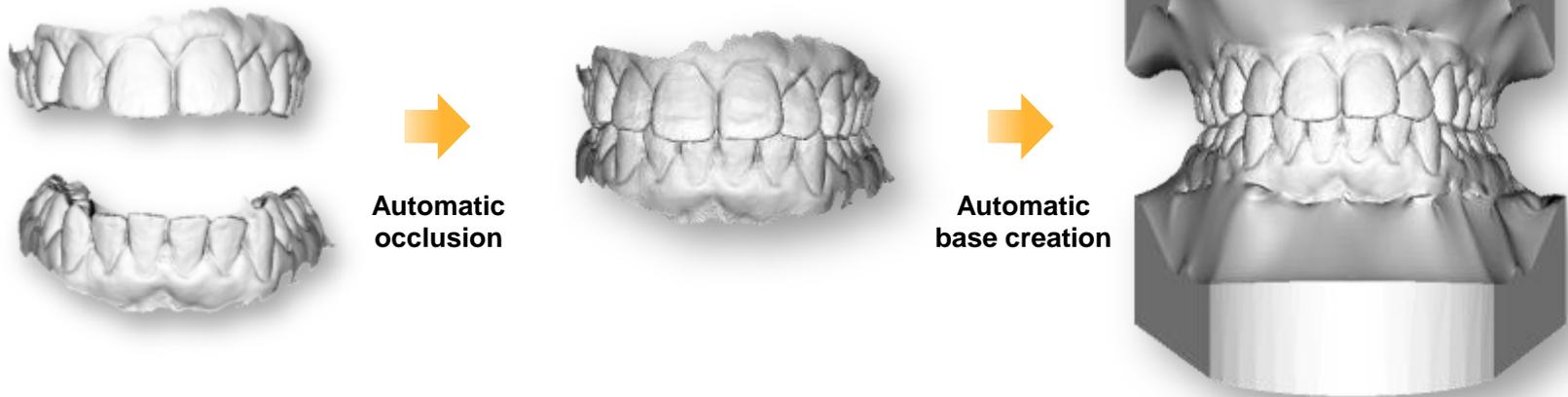
Overbite / overjet measurements

One Scanner - Three Workflows

Reinvent Your Orthodontics

CS Model

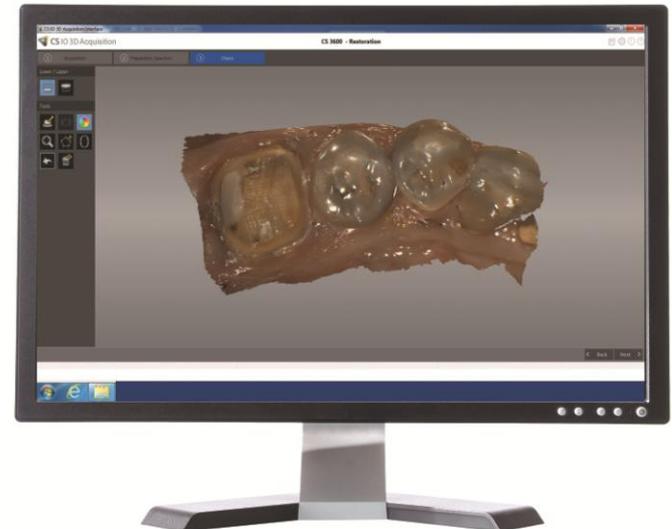
- Scans of both jaws are automatically placed into natural occlusion
- Virtual base automatically created according to ABO requirements



One Scanner - Three Workflows

Restore Like Never Before

- Minimize the amount of time spent scanning with quadrant scanning
- Automated 3D margin line provides enhanced precision
- CS Restore software lets you design restorations in-house when milling in-house with the CS 3000 milling machine
- Open or chairside workflow – the choice is yours!



One Scanner - Three Workflows

Restore Like Never Before

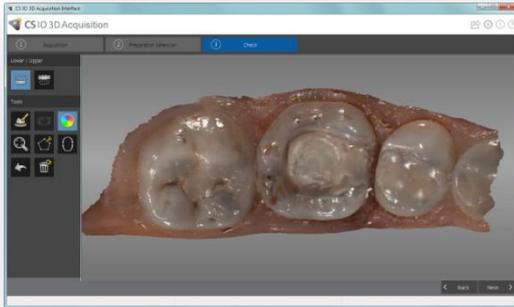
CS Restore Software

- For use with CS 3000 milling system
- Automatic tooth design, margin tracing and occlusion management
- Intuitive software guides you through design process
- Automatic tooth design, margin tracing and occlusion management
- Streamlines process with fewer steps and clicks

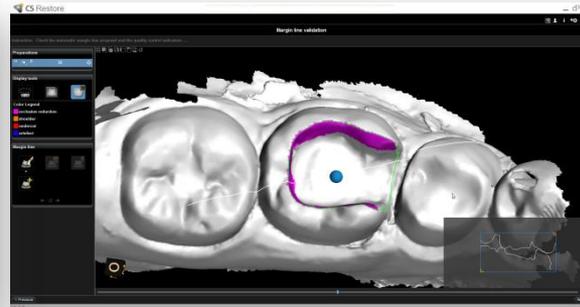


One Scanner - Three Workflows

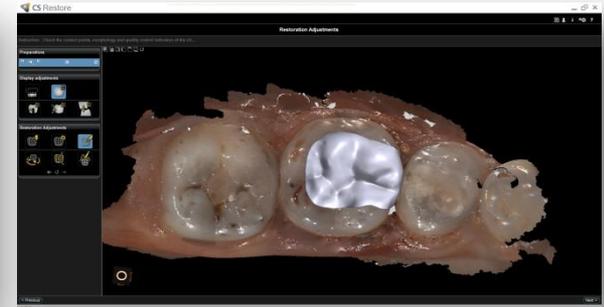
Restore Like Never Before



- 1** Tooth preparation was scanned using the CS 3600 intraoral scanner



- 2** Scan was sent to CS Restore and the margin line is identified



- 3** CS Restore Proposes the restoration



- 4** Restoration design is sent to CS 3000 for milling in office



- 5** Final restoration is finished and polished as needed and cemented into place

Integrate with CS Solutions CAD/CAM restoration portfolio for complete chairside restorative workflow.

One Scanner - Three Workflows

Restore Like Never Before

Open Workflow

- Also available as a standalone, open solution in your current restorative workflow
- Compatible with third party CAD programs
 - 3Shape
 - Dental Wings
 - exocad
- Fully open to work with any 3rd party design software
- Now offers complete, seamless integration with exocad via the patient browser
- Send impressions and crown designs directly to lab

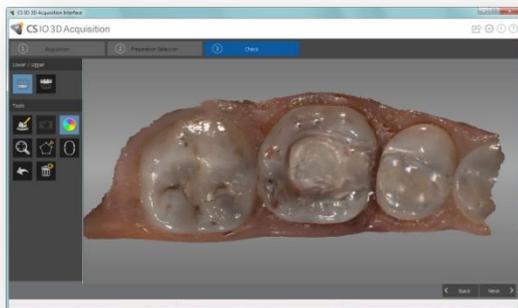
3shape 
exocad



3D design showing the abutment and proposed crown in the laboratory's software

One Scanner - Three Workflows

Restore Like Never Before



1 Tooth preparation was scanned using the CS 3600 intraoral scanner



2 Scan was sent to lab for restoration design and fabrication in the software of their choice



3 Lab delivers final restoration stained, glazed and finished to your specification

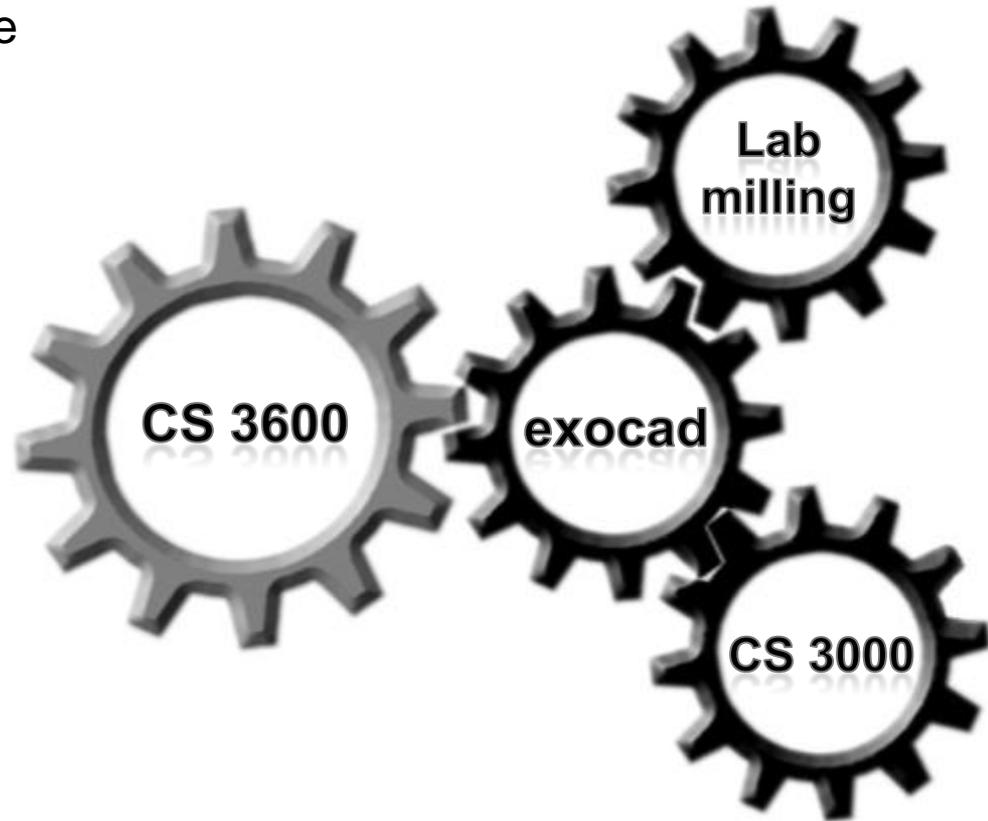
Use as a standalone solution and send scans to the lab of your choice.

One Scanner - Three Workflows

Restore Like Never Before

exocad Integration

- Offers the most advanced, complete CAD/CAM application for dental restoration
- Is truly an open and integrated system
- Supports the open workflow of the CS 3500
- Is integrated with Carestream's dental imaging software



exocad

One Scanner - Three Workflows

Restore Like Never Before

- exocad DentalCAD covers a wide range of indications:
 - Anatomic crowns
 - Anatomic copings
 - Simple copings
 - Bridge framework
 - Inlays
 - Onlay
 - Veneers
 - Waxup digital copy milling
 - Waxup-based framework
 - Primary telescopes
 - Extra-coronal attachments

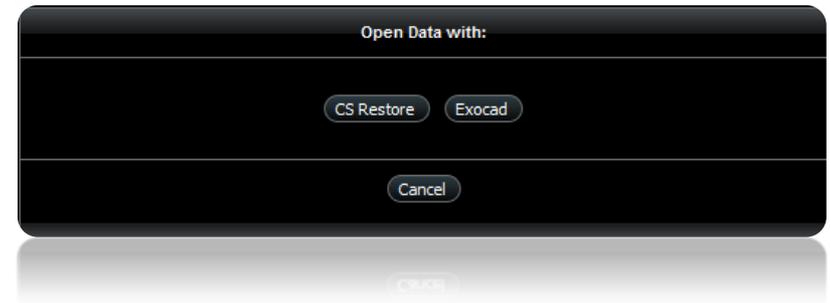
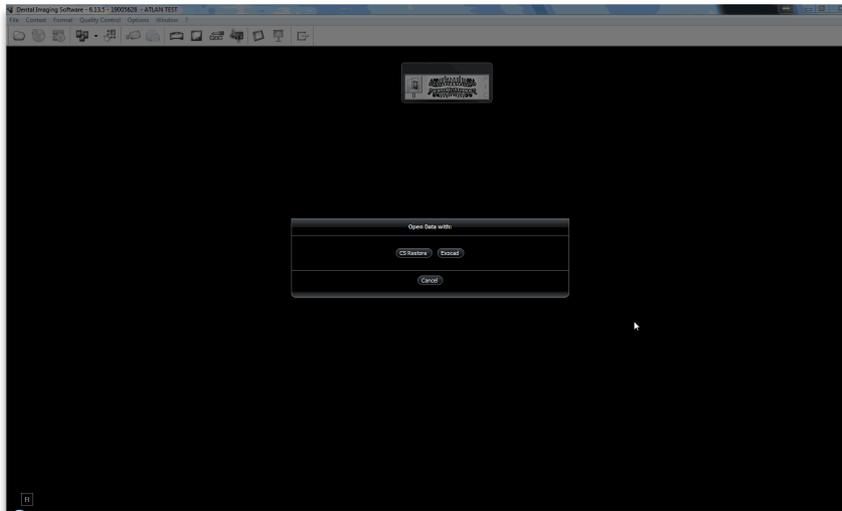


One Scanner - Three Workflows

Restore Like Never Before

An Integrated Solution

- exocad is accessed directly from patient browser in Carestream's dental imaging software
- Option to open data set via CS Restore or exocad



One Scanner - Three Workflows

One Scanner - Three Workflows

Implant Planning Made Easy

- A dedicated workflow designed specifically for implant-borne restorations
- Intuitive software provides guidance through scanning process
- Smart cutting tool allows for removal only of areas that require rescanning
 - Simplifies image acquisition and editing
 - Provides maximum comfort to the patient with the smart cutting tool

Clinical images demonstrate immediate loading with bridge placed same day



Cutting phase



Re-scanning phase

Make Friends With Your Lab

Speaks Any Lab Language

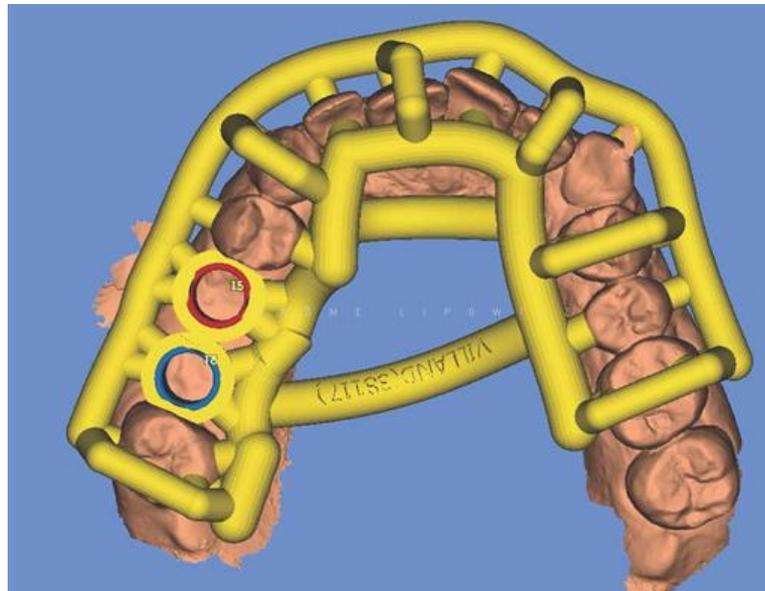
- Export open STL, PLY and DCM files for easy sharing
- Use the lab of your choice
- Identify margin lines and contact points on full HD 3D images before sending to the lab
- Increase efficiency and precision with the 3D margin line tool
- Avoid drags, pulls and voids for repeatable quality



Make Friends With Your Lab

Speaks Any Lab Language

- Supports a complete digital workflow for guided surgery
- Open file system allows for sending files to lab or guide manufacturer for a scan, plan, place workflow



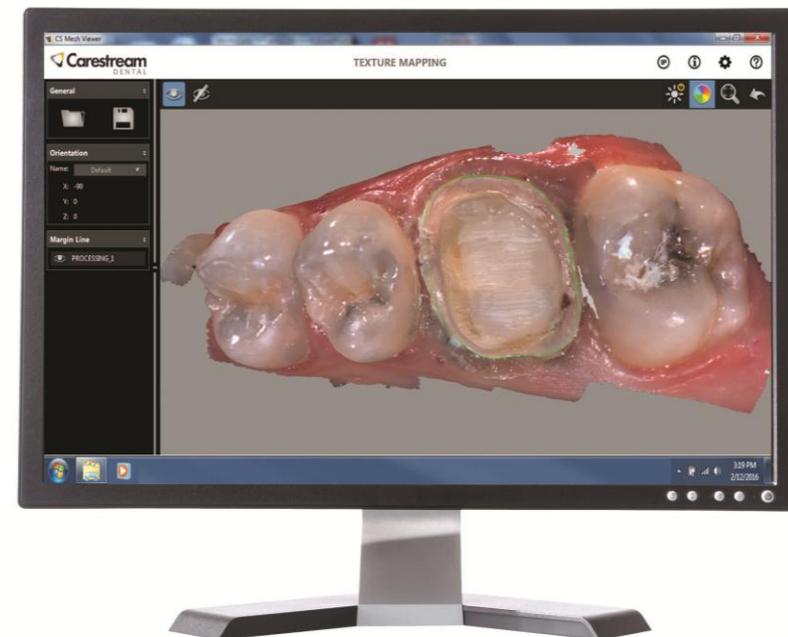
Click [here](#) to view the clinical case from Dr Jérôme Lipowicz

Make Friends With Your Lab

Speaks Any Lab Language

CS MeshViewer

- Support, view and export digital models
- Review HD 3D digital models
- Display the cervical margin lines associated with digital study models
- Control the scene lighting to improve visibility of features
- Simplify generation and export of STL and PLY files
- Export the anonymized native DCM files

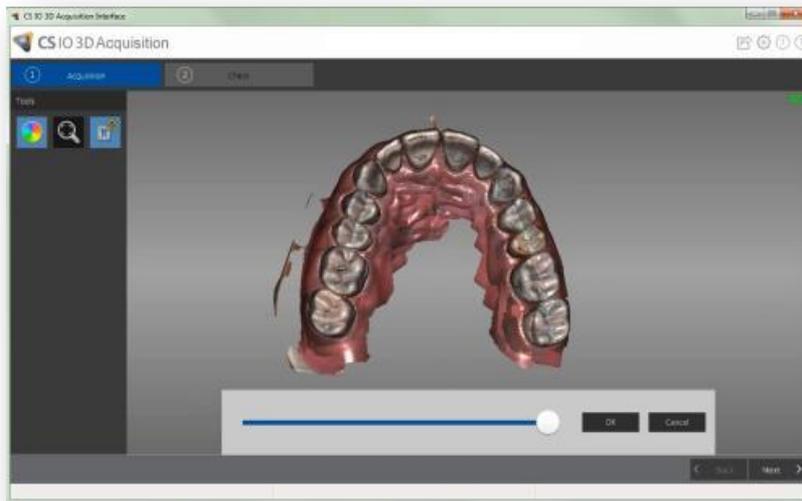


CS MeshViewer

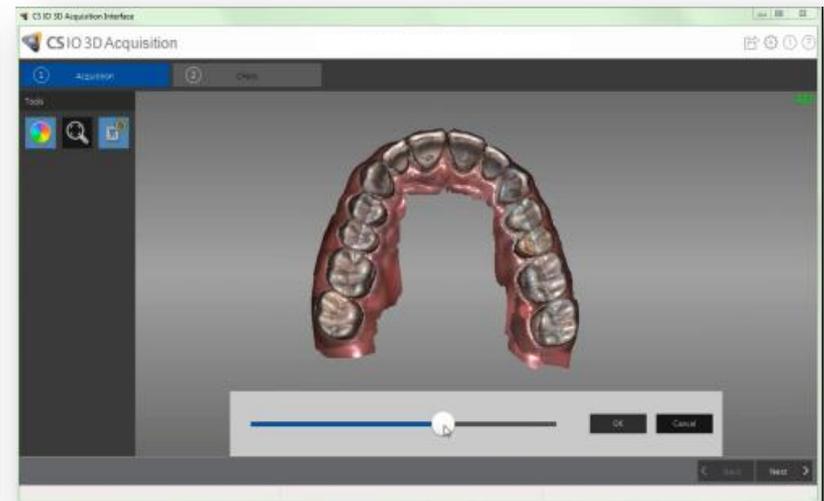
Extra Touches That Make Scanning Easy

Go Back in Time with Scan History Check

- Allows you to examine impression during the acquisition process, remove any excess scanned tissue, and continue scanning
- Allows you to produce a more refined final digital impression



Initial scanned image with the Scan data history slider bar enabled



Scan data history reduces the amount of gingival tissue displayed

Extra Touches That Make Scanning Easy

Make a Great (First) Impression

- A convenient power box makes it easy to move the scanner from computer to computer and between operatories
- Scan freely, without penalty, with no additional fees for scanning or to send scans to a third party



Extra Touches That Make Scanning Easy

Make a Great (First) Impression

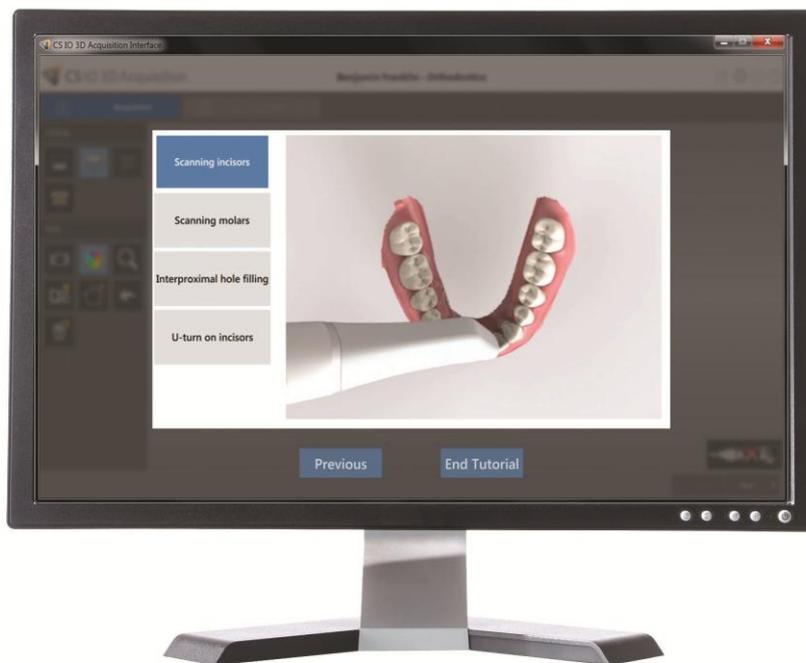
- Skip a step in the impression workflow with powder-free scanning*
- The thin, soft, flexible cable makes moving and handling the scanner easy from all angles
- Patients will enjoy a pleasant, noise-free scanning experience



Get Started Quickly

The Support You Need to Start Scanning

- A selection of video tutorials demonstrates scanning techniques to help you get started quickly.
- The introduction and tutorial session can be disabled once you are familiar with the interface



Get Started Quickly

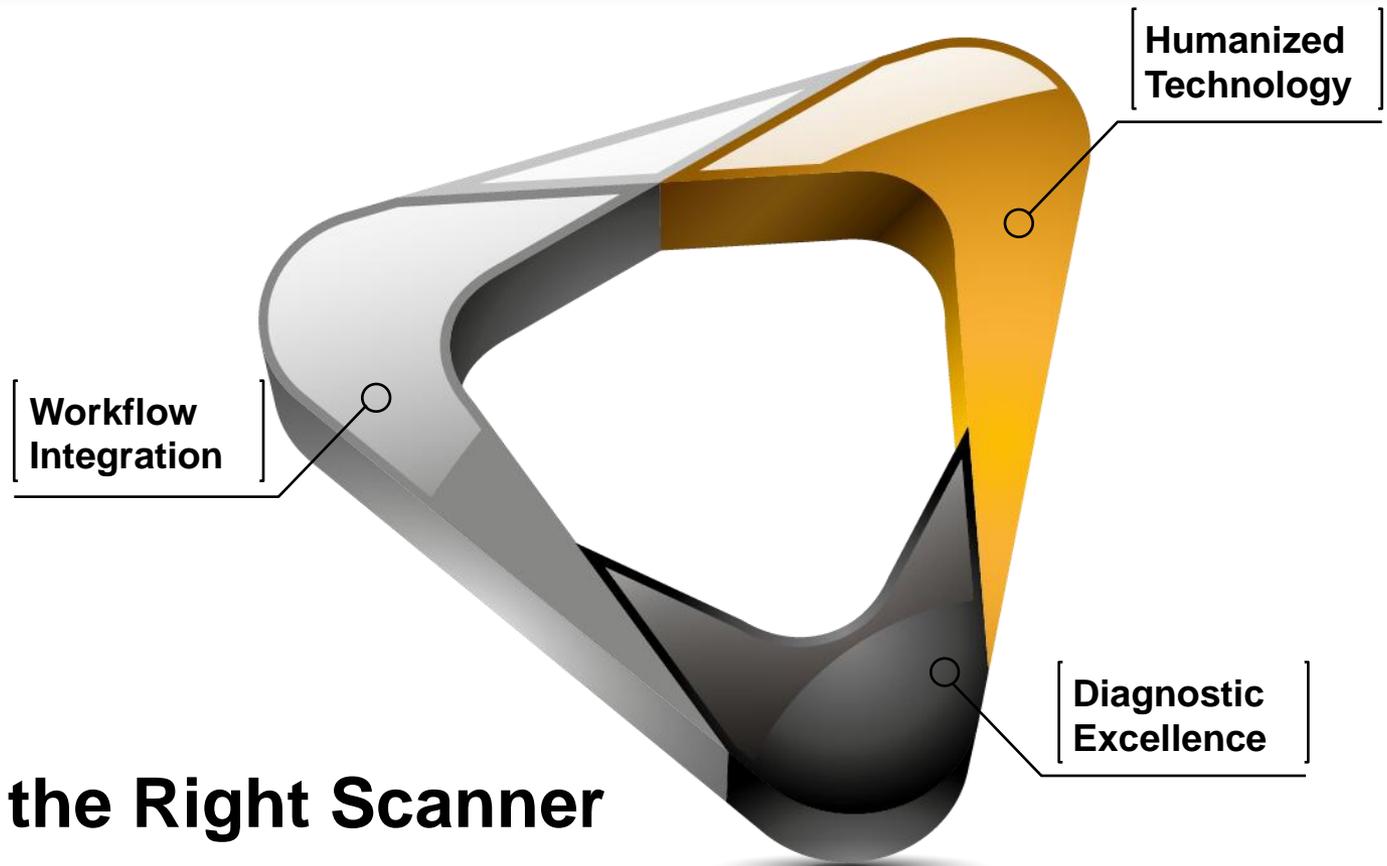
The Support You Need to Start Scanning

Access online recorded training classes via the Carestream Dental Institute or the following URL: www.carestreamdental.com/3600training

The classes are as follows:

- Installing the 3600
- Updating the Software
- Component Overview
- Care and Maintenance
- Importing and Exporting a Scan
- Capturing a 3D Model: Restorative
- Capturing a 3D Model: Ortho
- Capturing a 3D Model: Implant





Selecting the Right Scanner

Selecting the Right Scanner

Which Carestream Dental Scanner is Right for You?



CS 3500



CS 3600

Selecting the Right Scanner

Which Carestream Dental Scanner is Right for You?



CS 3500	CS 3600
Ideal for quadrant scans	Ideal for acquiring full and dual arch digital impressions due to impressive, high speed scanning
Captures sequence of still captured images	Continuous scanning workflow for grab-and-go scanning
Innovative light guidance system places focus on the patient, not on the screen	Groundbreaking Intelligent Matching System eliminates need for light guidance
Acquires 2D and HD 3D images	Acquires HD 3D images and allows for the extraction of 2D images
Autoclavable tips in two sizes: large and small	Autoclavable and interchangeable tips in two styles: standard and side tip

Selecting the Right Scanner

Which Carestream Dental Scanner is Right for You?



Application	CS 3500	CS 3600
1-2 unit restorations	● ● ●	● ● ●
Complex restorations	● ●	● ● ●
Sectorial arch	● ● ●	● ● ●
Implant-borne restorations, simple	● ● ●	● ● ●
Implant-borne restorations, complex	● ●	● ● ●
Single, full arch	●	● ● ●
Dual full arch	●	● ● ●
Pedodontics	● ● ●	● ● ●
Orthodontics	●	● ● ●

Selecting the Right Scanner

Which Carestream Dental Scanner is Right for You?



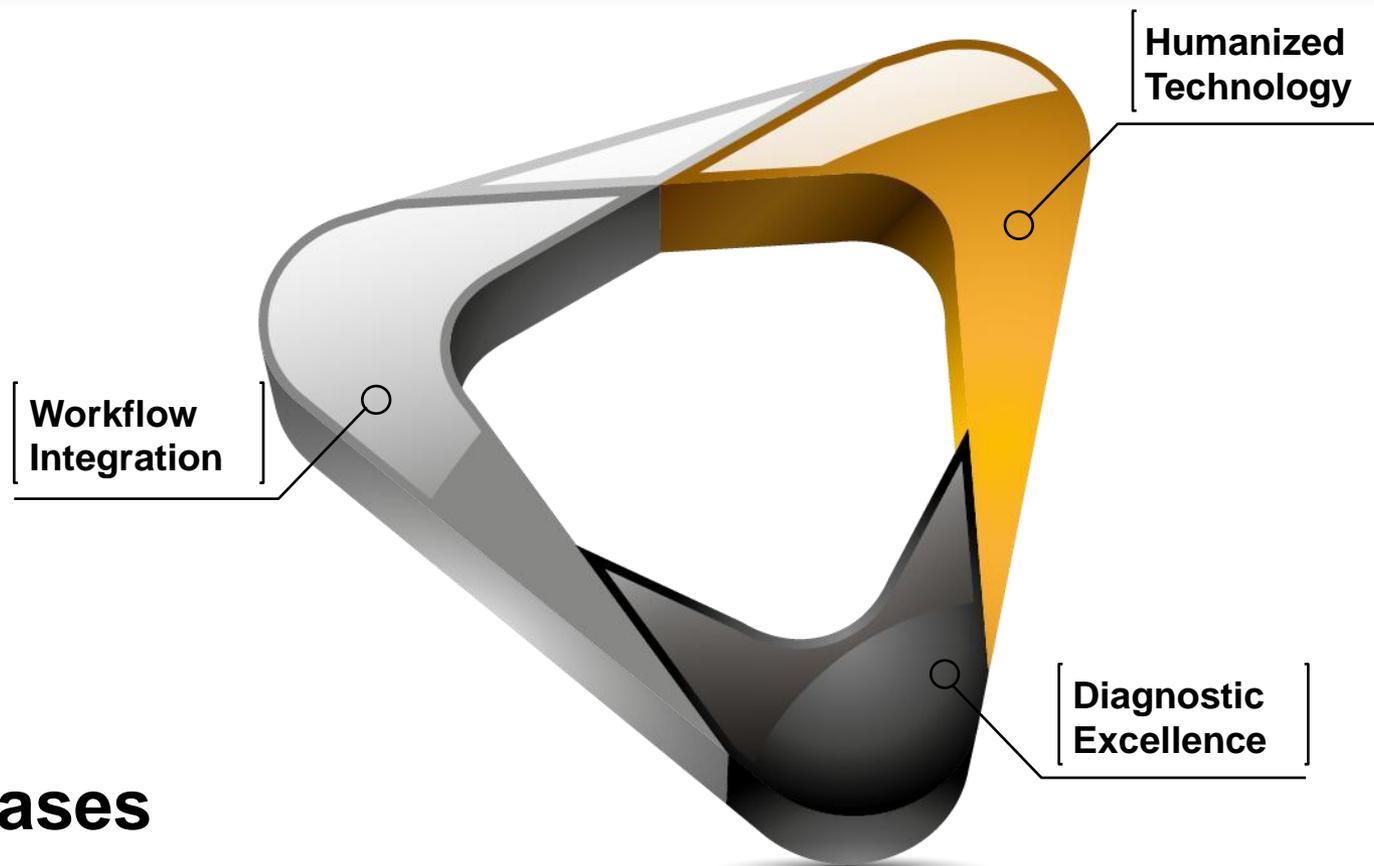
Features	CS 3500	CS 3600
Scanning technology	Still image capture	Continuous scanning
Calibration tip	No	Yes
Disposable tip	2 tips – large and small	2 tips – normal and side tips The side tip is the shortest autoclavable tip in the market today
Acquisition button	Yes	No
ACQ	Dedicated restorative, orthodontic, and implant-borne restorative workflows	Dedicated restorative, orthodontic, and implant-borne restorative workflows
Mode button	Yes	Yes
Scan speed	> 10 minutes for full arches and occlusion	< 5 minutes for full arches and occlusion
Power box	No.	Yes

Selecting the Right Scanner

Which Carestream Dental Scanner is Right for You?



Features	CS 3500	CS 3600
Field of view	16 x 12 mm with normal tip 12 x 9 mm with smaller tip	13 x 13 mm with both normal and side tip
Depth of field	-2 to +13 mm	-2 to + 12 mm
Cable length	2.5 m	2.7 m
Digital connection	USB 2.0 High Speed	USB 2.0 High Speed
Dimensions without cable	245 x 37 x 62 mm	220 x 38 x 58 mm
Weight	295 g	326 g
File export types	.STL and .PLY	.STL and .PLY



Clinical Cases

CS 3600 – CS 3000

WITH THE COURTESY OF DR HERSZENFIS (PARIS 75008)



SCAN



DESIGN



DESIGN



CLINICAL CASE - INLAY



- Patient presented with substantial decay on tooth 35
- Proposal was to make a ceramic composite inlay
- Preparation completed to prepare for the inlay. A temporary restoration was completed.
- GC Cerasmart material (composite hybrid) was chosen for the inlay and bonded with G Cem
- Adapataion and results were very good



CLINICAL CASE –INLAY

INITIAL PANORAMIC FILM



SCAN



DESIGN



MILL



With the courtesy of Dr Herszenfis (Paris 75008)

CLINICAL CASE –INLAY

TOOTH PREPARED , SCANNED, AND TEMPORARY PLACED



With the courtesy of Dr Herszenfis (Paris 75008)

CLINICAL CASE – PLAN IN CS RESTORE

PREPARATION SELECTION



SCAN



DESIGN



MILL

CS Restore



Preparation selection

Instruction: Indicate the preparation location, the restoration type and the insertion axis.

Indications

Preparation

M D 36



< Previous

Next >

v1.7.8

With the courtesy of Dr Herszenfis (Paris 75008)

CLINICAL CASE – PLAN IN CS RESTORE

RESTORATION ADJUSTMENTS



CS Restore



Restoration Adjustments

Instruction: Check the contact points, morphology and quality control indicators of the virtual restora...

Preparations

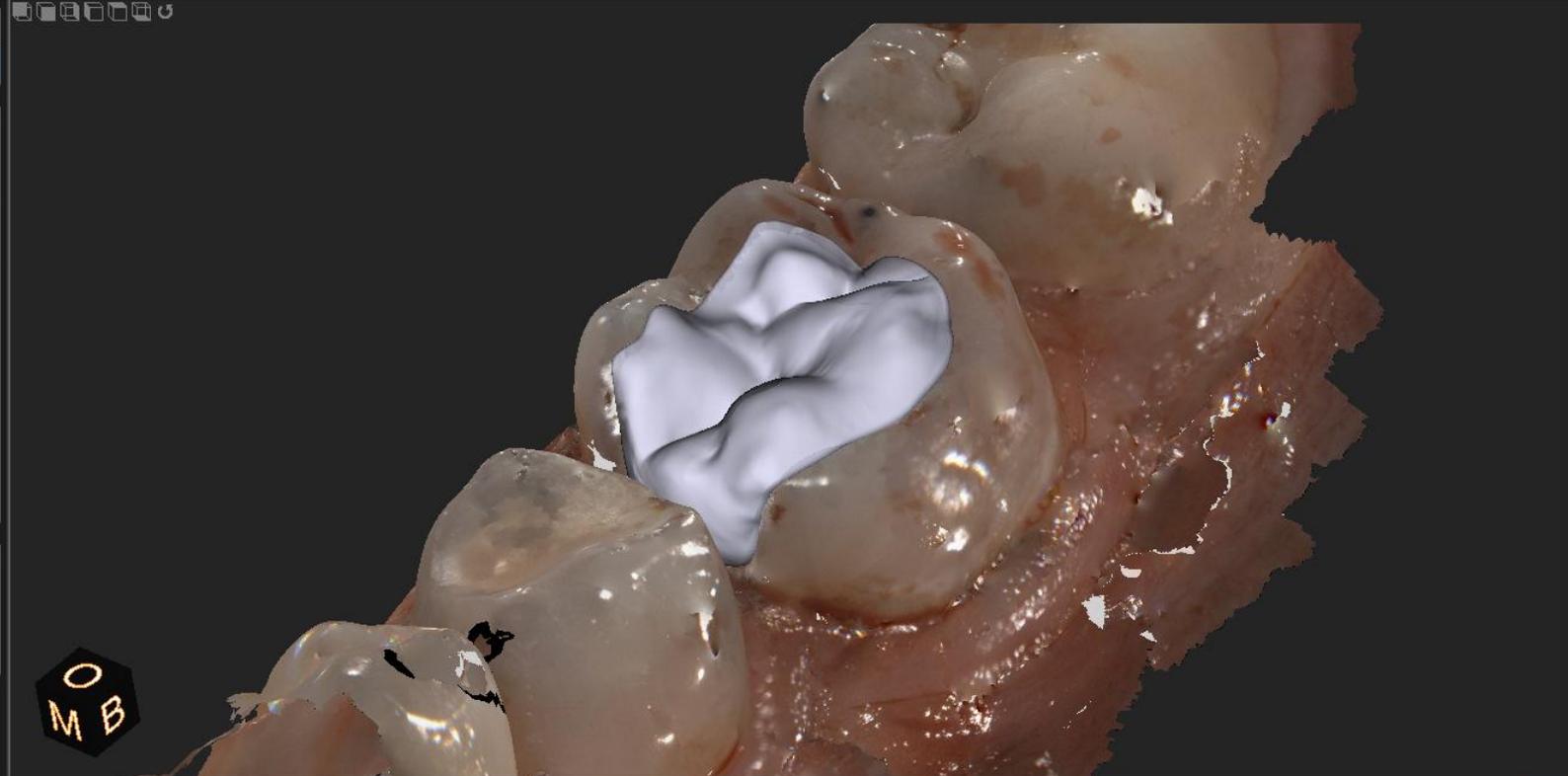
M D 36

Display adjustments

Clipping

Transparency

Restoration Adjustments



< Previous

Next >

v1.7.8

With the courtesy of Dr Herszenfis (Paris 75008)

CLINICAL CASE – PLAN IN CS RESTORE

CHECK OCCLUSION



CS Restore



Restoration Adjustments

Instruction: Check the contact points, morphology and quality control indicators of the virtual restora...

Preparations

M D 36

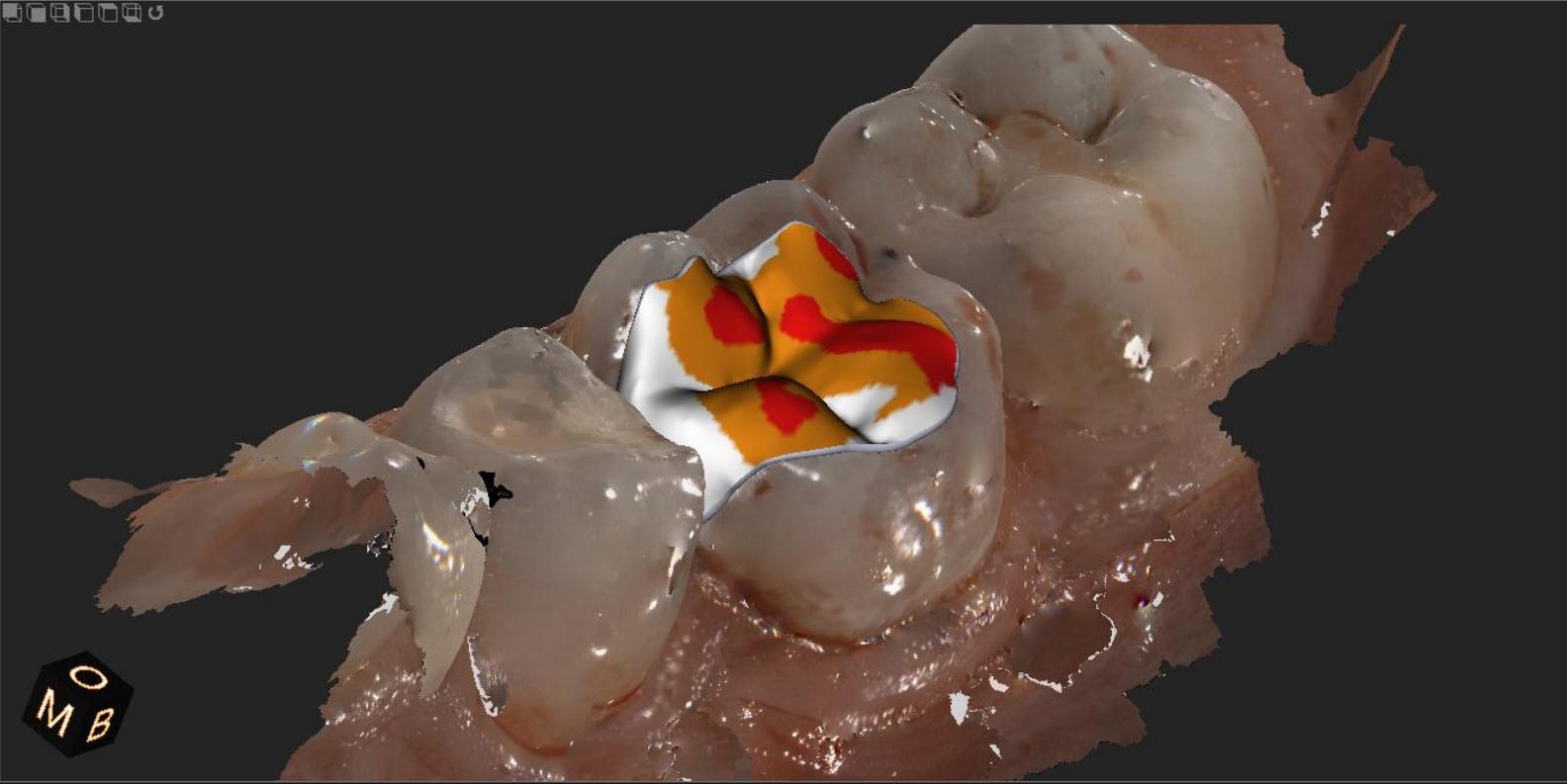
Display adjustments

Occlusion

warning

info

Restoration Adjustments



< Previous

Next >

v1.7.8

With the courtesy of Dr Herszenfis (Paris 75008)

CLINICAL CASE – MILL WITH CS 3000 GC CERASMART MATERIAL (COMPOSITE HYBRID)



SCAN



DESIGN



MILL



With the courtesy of Dr Herszenfis (Paris 75008)

CLINICAL CASE – PLACE INLAY

FINAL RESULTS



With the courtesy of Dr Herszenfis (Paris 75008)

CS 3600 – CS 8100 3D

WITH THE COURTESY OF Dr N. BOUTIN AND B. CANNAS
(75015 PARIS, FRANCE) AND LABORATOIRE BEAUPERE
(QUINCY VOISINS)



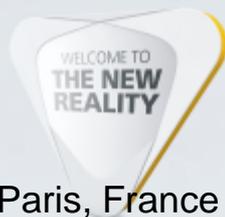
SCAN



DESIGN



DESIGN



This case is courtesy of Dr N. Boutin and B. Cannas - 75015 Paris, France

CLINICAL CASE



- Extraction 13 & 16 – bridge was moving
- 2 implants on 16 & 13
- Nobel Active Implants
- CS 3600 Acquisition
- Prosthetic milled with Lab Beaupère in PMMA
- Planning with Exocad
- Placement in mouth without any issue the same day



CLINICAL CASE – INITIALE SITUATION CBCT



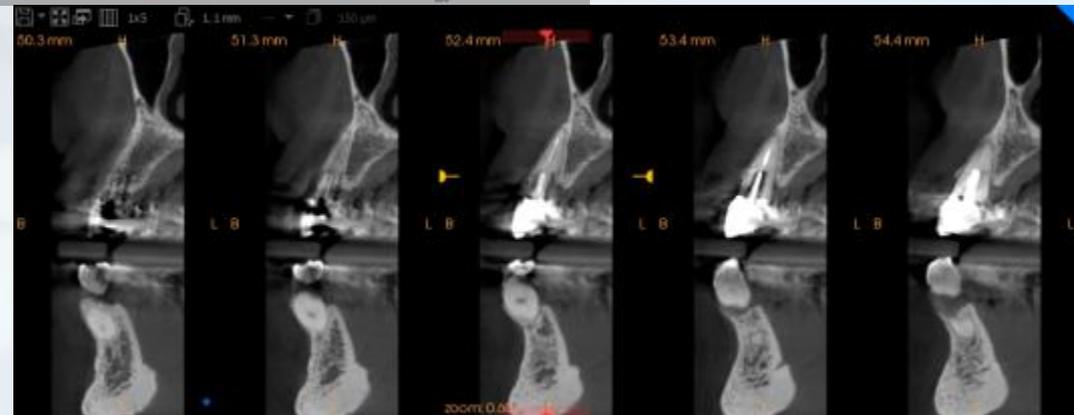
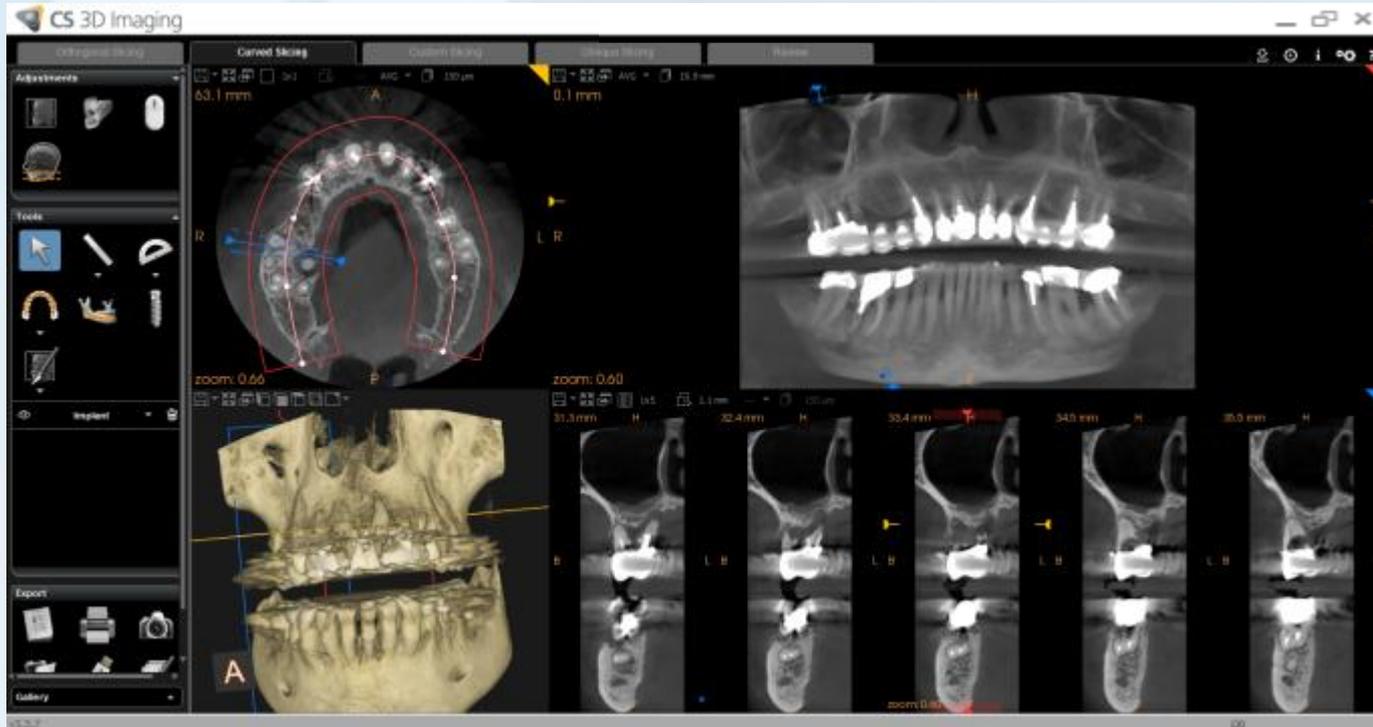
SCAN



DESIGN



MILL



CLINICAL CASE – INITIALE SITUATION



SCAN



DESIGN



MILL



CLINICAL CASE – INITIAL SCANNING FOR GUM



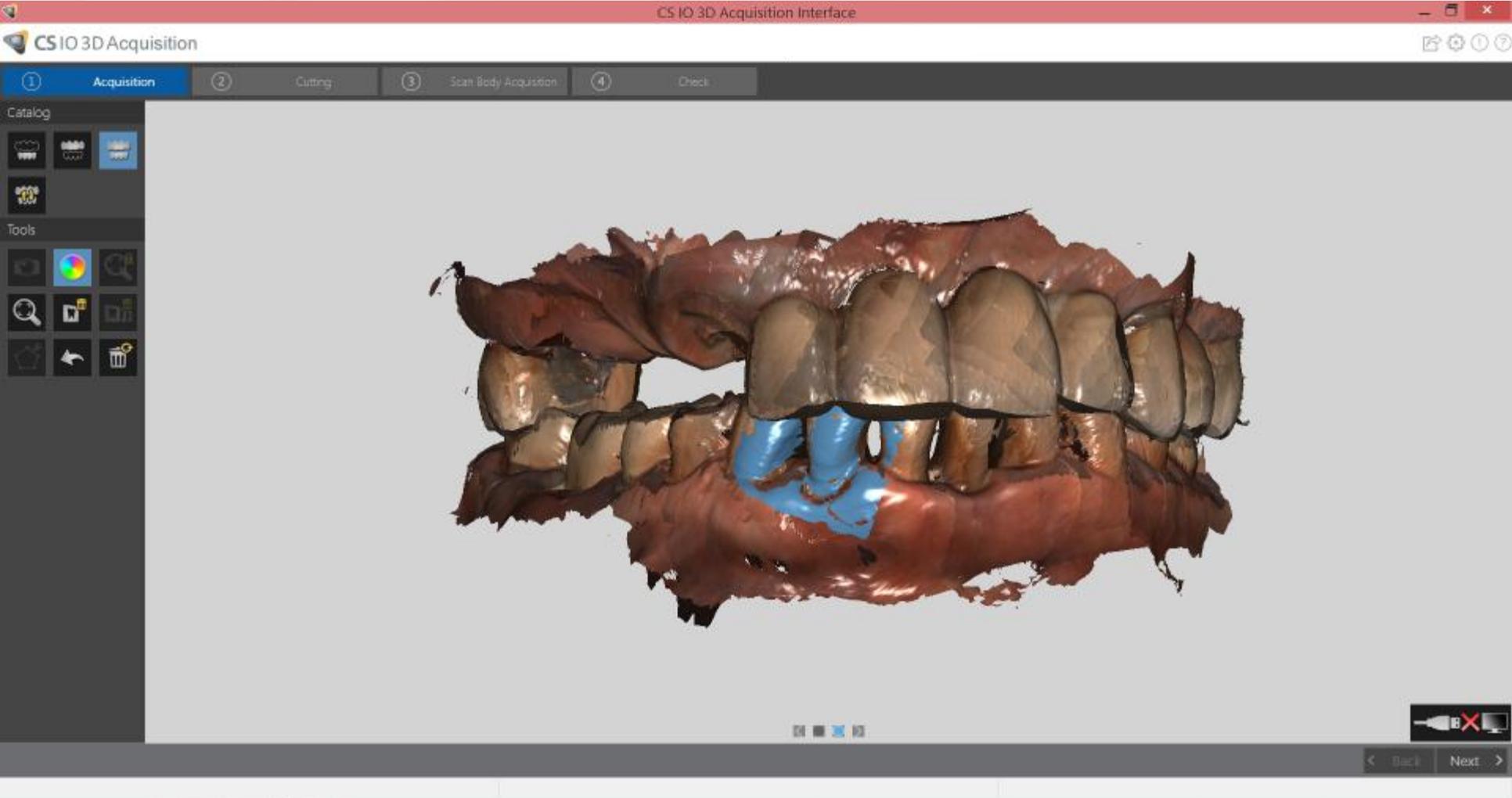
SCAN



DESIGN



MILL



CLINICAL CASE – EXTRACTION DONE & AXIS VERIFICATION



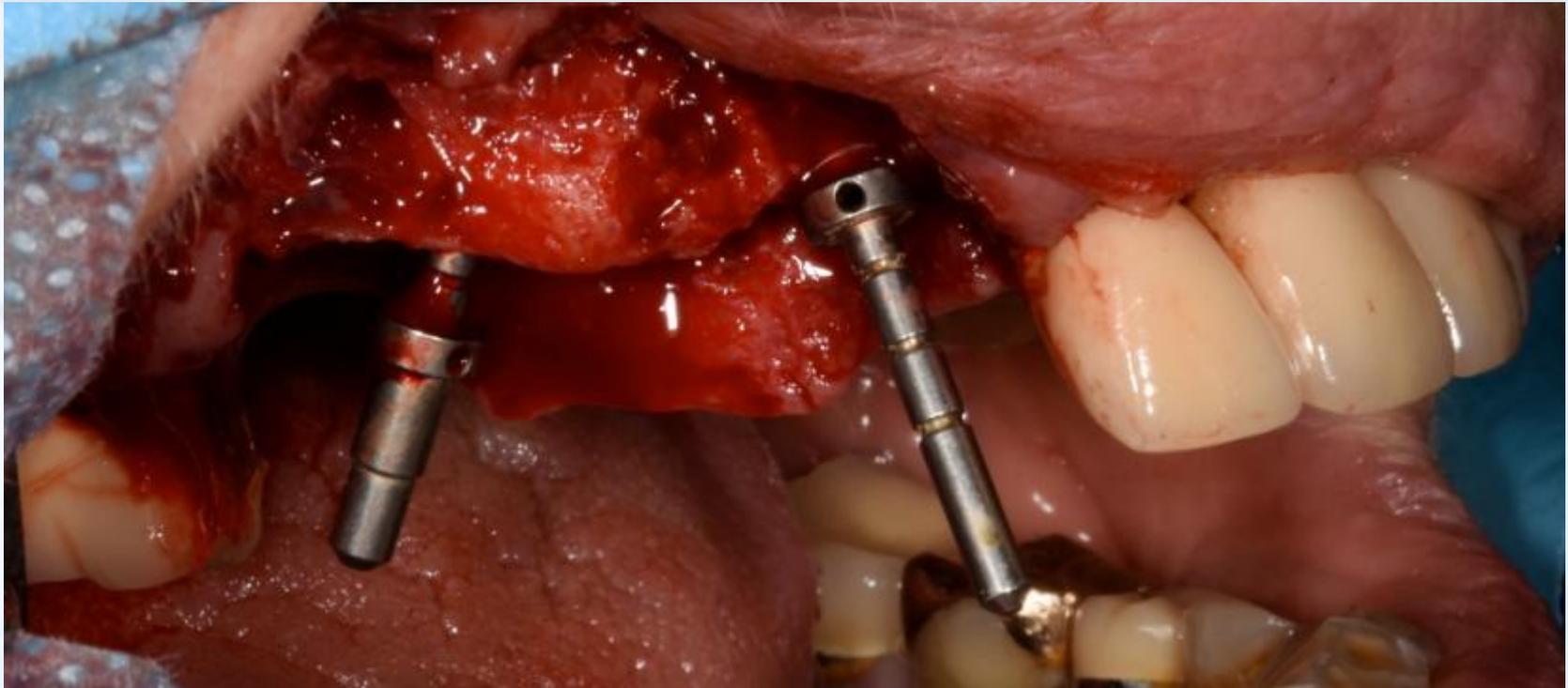
SCAN



DESIGN



MILL



CLINICAL CASE – CUTTING PHASE



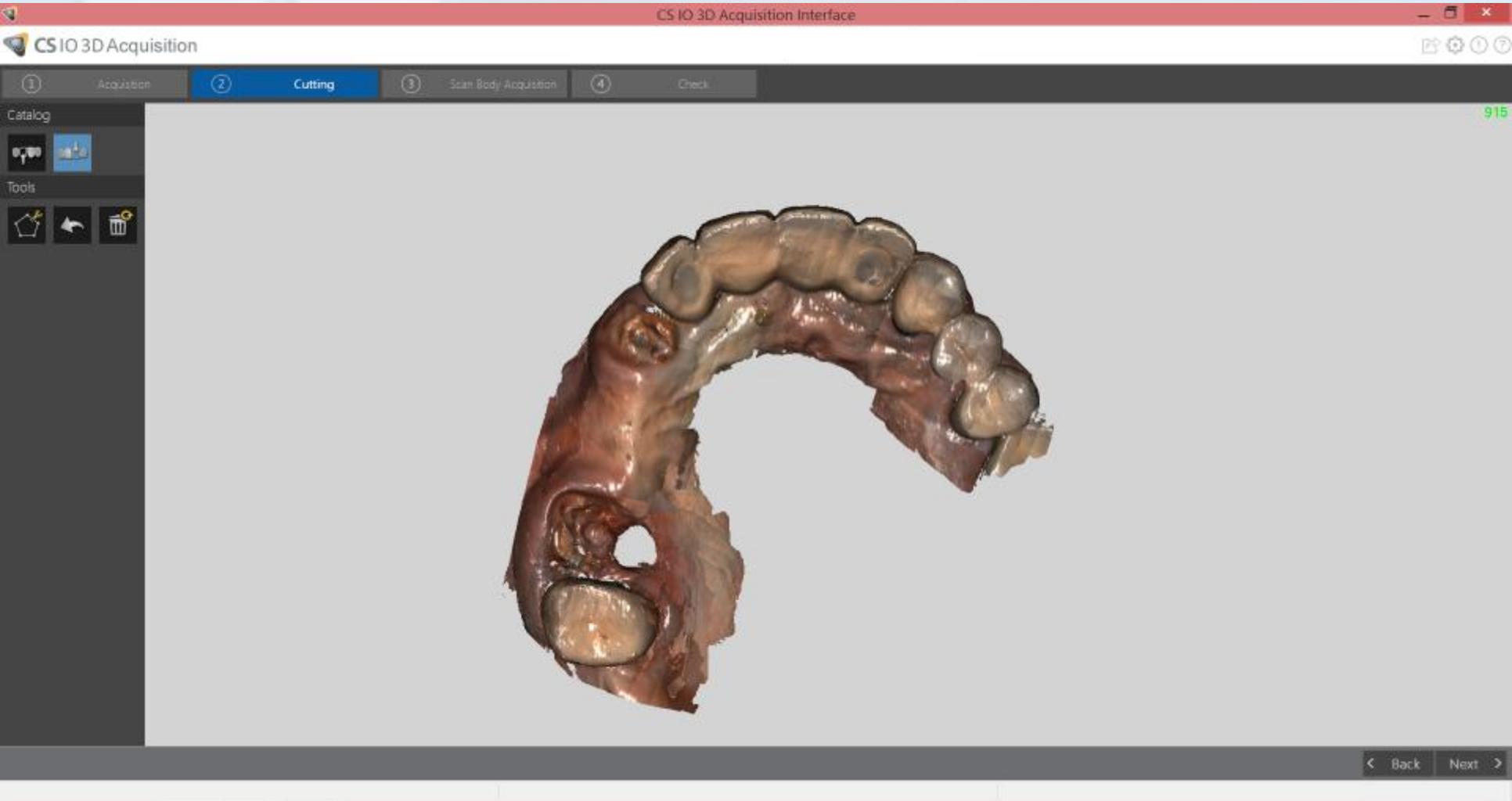
SCAN



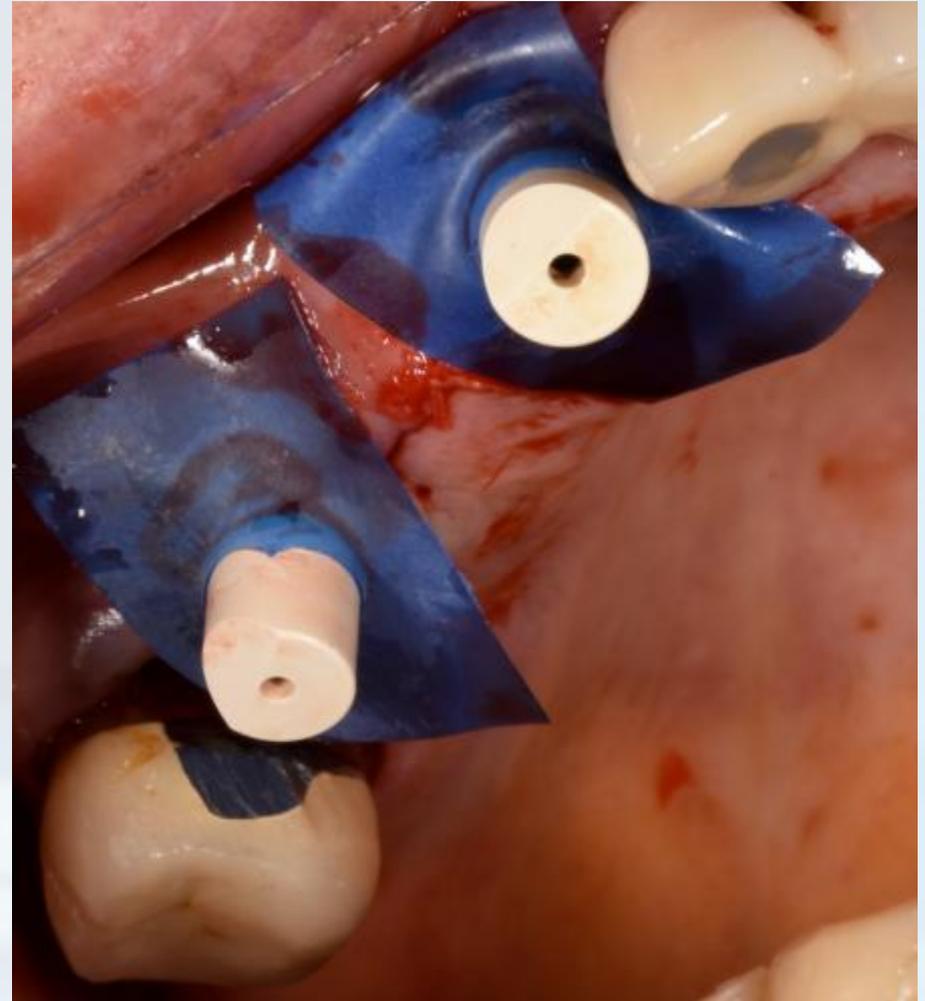
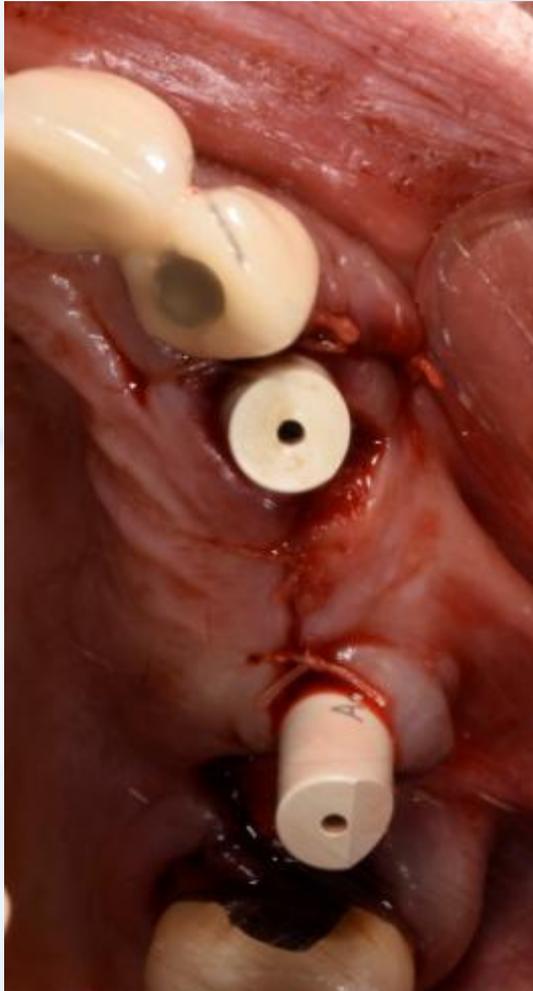
DESIGN



MILL



CLINICAL CASE – SCAN BODIES WITH RUBBER DAM AT 2/3



CLINICAL CASE – SCAN BODIES SCAN



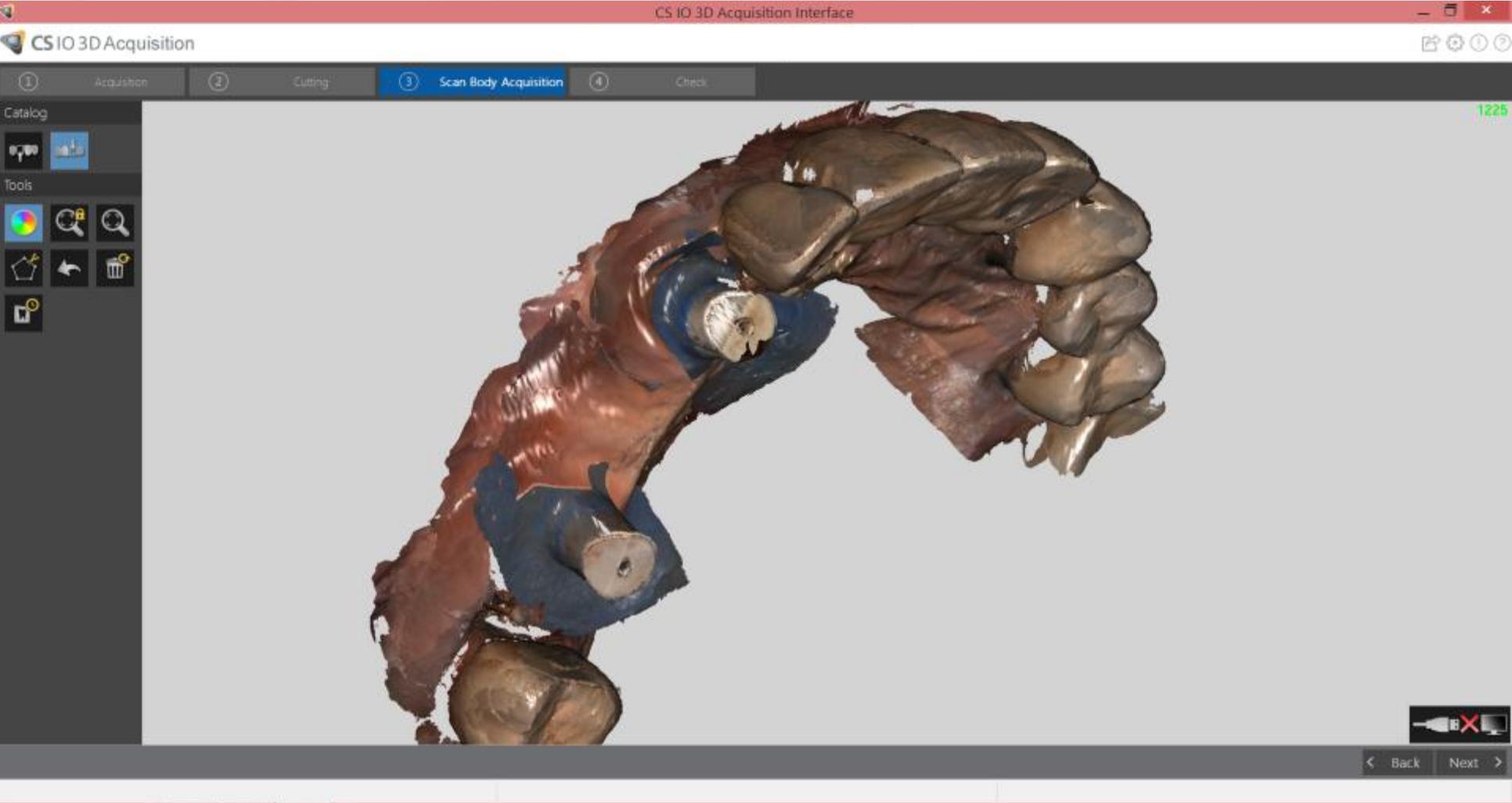
SCAN



DESIGN



MILL



CLINICAL CASE – REFINING



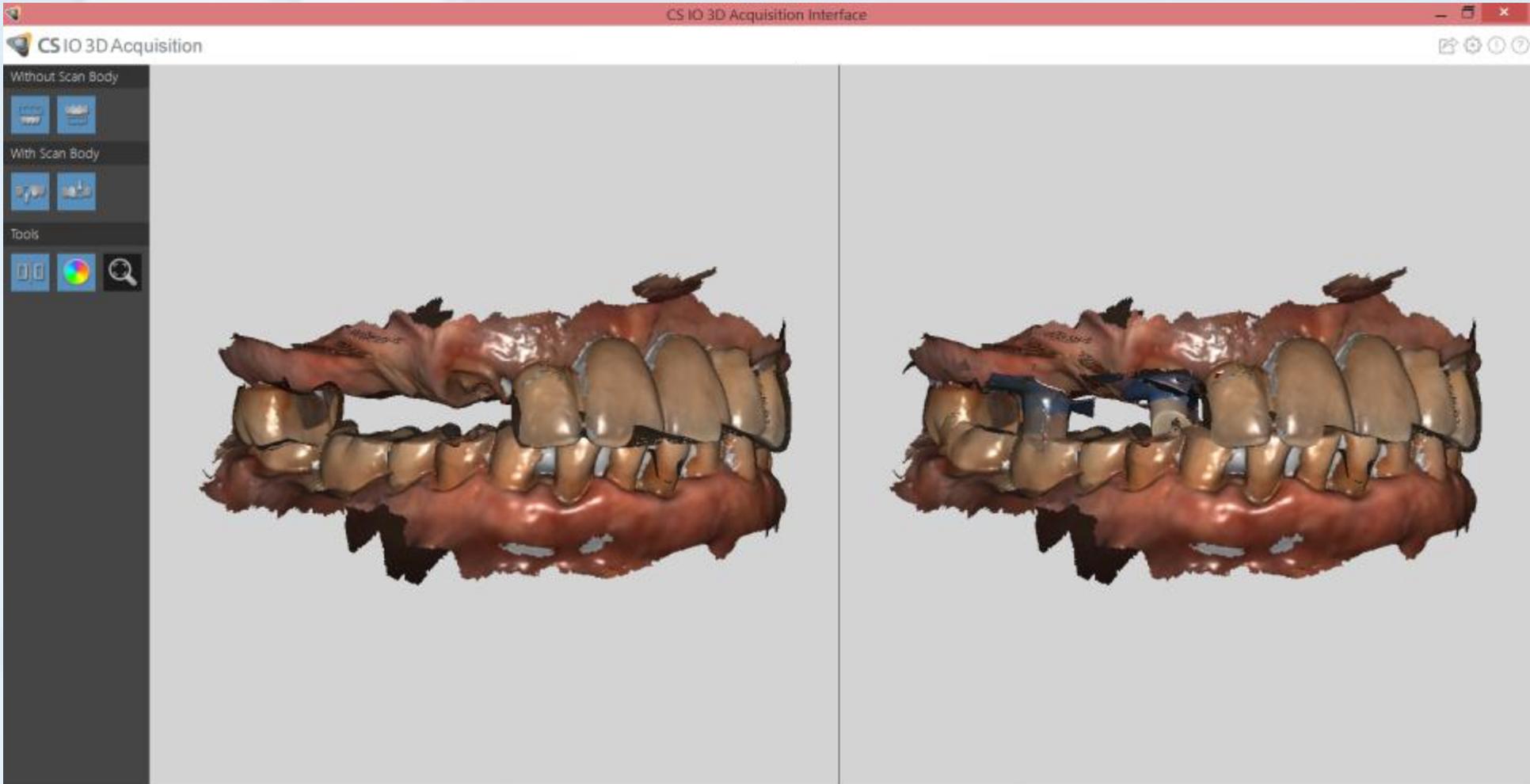
SCAN



DESIGN



MILL



CLINICAL CASE – EXOCAD PLANNING



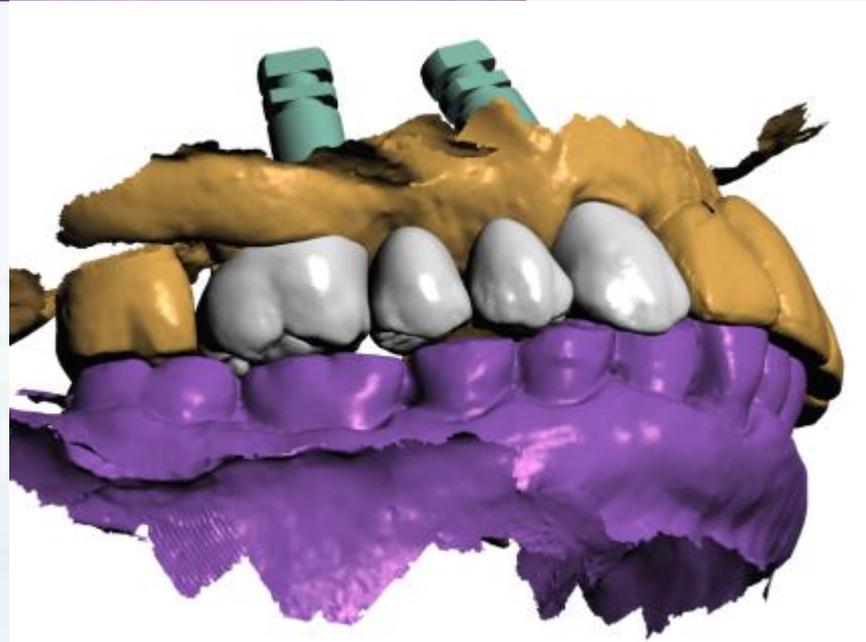
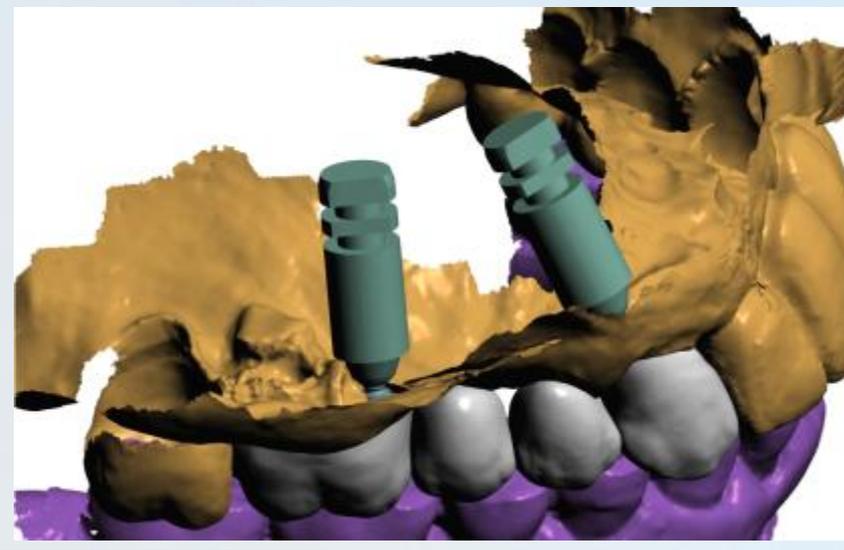
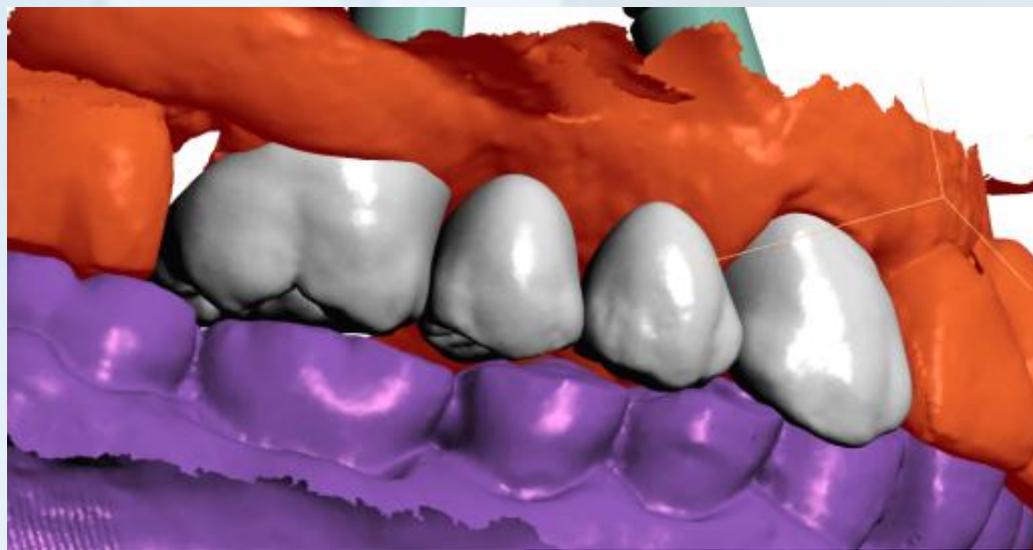
SCAN



DESIGN



MILL



CLINICAL CASE – SCAN BODIES PLACEMENT



SCAN



DESIGN



MILL



CLINICAL CASE – PLACEMENT SCAN BODIES



SCAN



DESIGN



MILL



CLINICAL CASE – 2 WEEK FOLLOW UP VISIT



SCAN



DESIGN



MILL



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COMPUTER GUIDED IMPLANTOLOGY

MIS GUIDE + M4



FULL DIGITAL WORKFLOW

**DIGITAL
IMPRESSION**



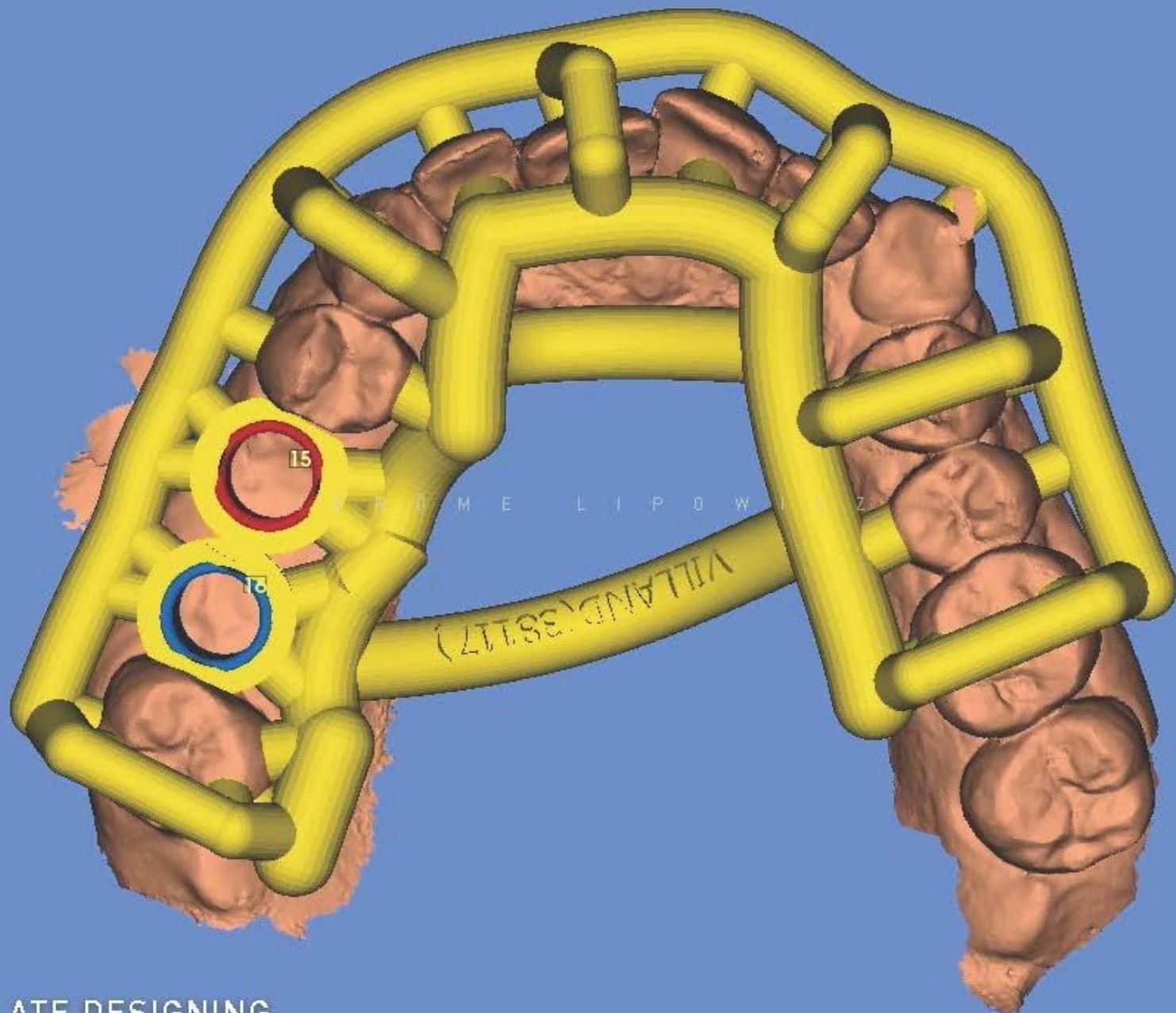
JÉRÔME LIPOWICZ

/ CASE REPORT: #15 #16 MISSING

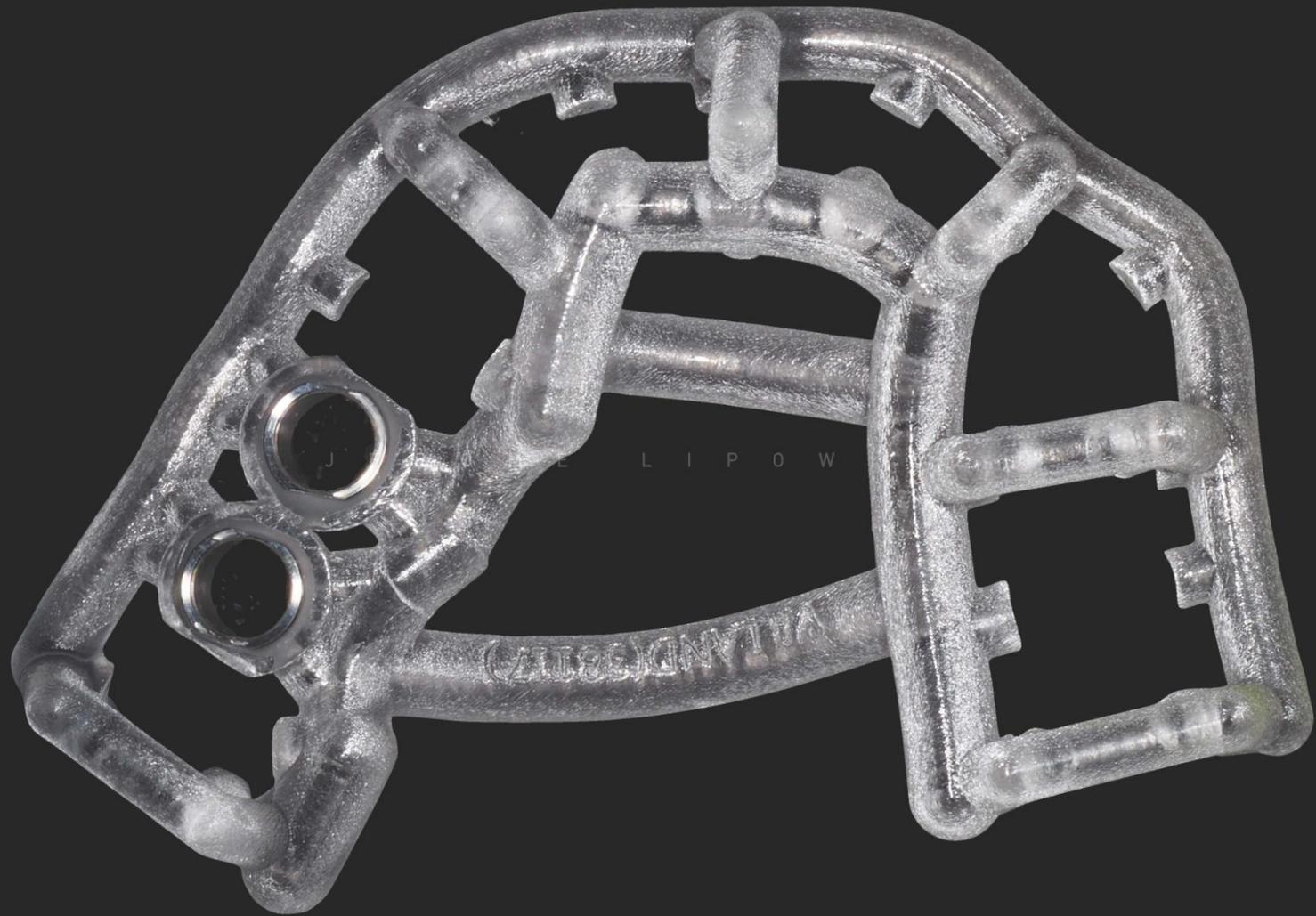


J É R Ő M E L I P O W I C Z

/ WORKING WITH OPEN STL FILES



/ TEMPLATE DESIGNING



/ PRINTED TEMPLATE



JÉRÔME LIPOWICZ

VILLAND (38117)

/ TESTING: GUIDE IS FIRMLY SET TO THE TEETH AND PERMITS AN EXCELLENT VISION



J E R O M E L I P O W I C Z

800RPM

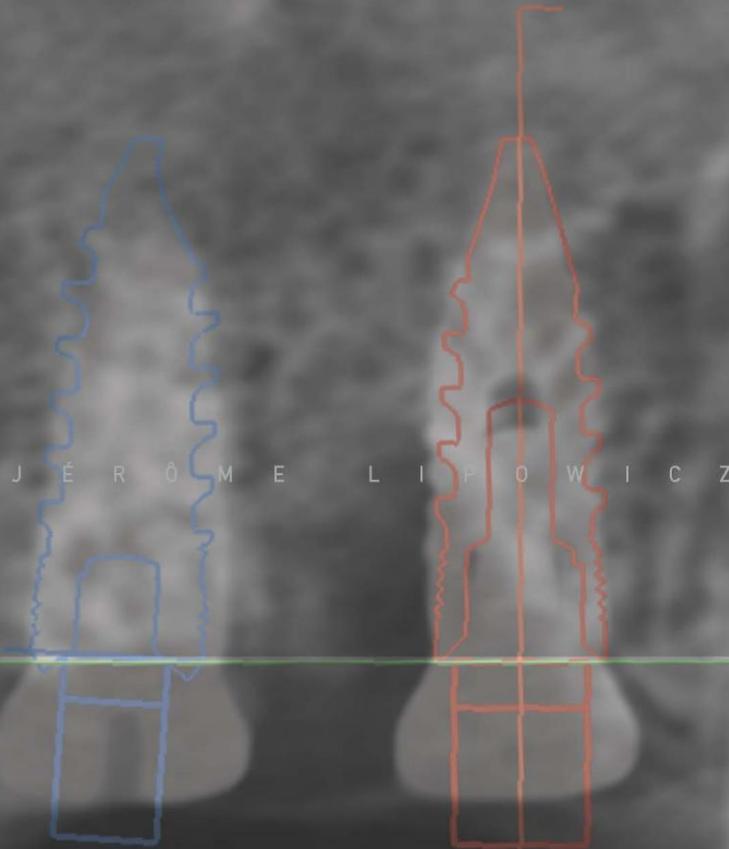
PRECISION DRILLING



TRUSTED FLAPLESS SURGERY

on indicated situations

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/ Q.E.D. : MATCHING PRE-OPERATIVE AND POST-OPERATIVE CT